

Zachary David Greene

Reader

School of Government & Public Policy

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Appointments

Reader (Associate Professor)

School of Government & Public Policy, University of Strathclyde (Dec 2020–present).

Senior Lecturer (Associate Professor)

School of Government & Public Policy, University of Strathclyde (May 2018–Nov 2020).

Chancellor’s Fellow & Lecturer (Assistant Professor)

School of Government & Public Policy, University of Strathclyde (August 2015–April 2018).

Post-Doctoral Researcher

The Political Economy of Reforms, University of Mannheim (July 2012–July 2015).

Education

Ph.D., Political Science, University of Iowa, 2012

M.A., Political Science, University of Iowa, 2007

B.A., Government, History and Philosophy, *cum laude*, Berry College, 2006

European Consortium for Political Research, Summer School on European Parties and Party Systems, European University Institute, Italy, September 2009

Fellow of the Higher Education Academy, September 2018

Research Interests

Intra-Party Politics, Party Politics, Electoral Competition, Legislative Behavior, Representation, European Politics, Quantitative Methods, Data Science and Text-as-data, Machine Learning

Journal Articles

Zachary Greene, Graeme Roy, Thomas Schober and Thomas Scotto. 2023. ‘Plundering the liberal philosophical tradition? The use or abuse of Adam Smith in Parliament, 1919–2023.’ *National Institute Economic Review* (forthcoming).

- Amanda Licht and **Greene, Zachary**. 2023. ‘Donor Political Preferences and the Allocation of Aid: Patterns in recipient type.’ *Conflict Management and Peace Science* (forthcoming).
- Greene, Zachary**, Nathan Henceroth, and Christian Jensen. 2021. “The cost of coalition compromise: The electoral effects of holding salient portfolios.” *Party Politics* 27 (4): 827-838.
- Max Gallop and **Zachary Greene**. 2021. “Polarization, Accountability, and Interstate Conflict.” *British Journal of Politics and International Relations* 23(1): 121-138.
- Greene, Zachary** and Fraser McMillan. 2020. “The independence echo: the rise of the constitutional question in Scottish election manifestos and voter behaviour.” *Journal of Elections, Public Opinion and Parties* 30 (3): 317-338.
- Greene, Zachary**. 2020. “Being Heard Above the Noise – The Role of Incumbent Issue Diversity in Election Campaigns.” *Political Behavior* 42 (2): 487-507.
- Ceron, Andrea and **Zachary Greene**. 2019. “Verba Volant, Scripta Manent? Intra-party Politics, Party Conferences and Issue Salience in France.” *Party Politics* 25 (5): 701-711.
- Greene, Zachary** and Amanda Licht. 2018. “Domestic Politics and Changes in Foreign Aid Allocation: the role of party preferences.” *Political Research Quarterly* 71 (2): 284–301.
- Greene, Zachary** and Maarja Lühiste. 2018. “Symbols of priority? How the media selectively report on parties’ election campaigns.” *European Journal of Political Research* 57 (3): 717–739.
- Bevan, Shaun and **Zachary Greene**. 2018. “Cross-National Partisan Effects on Agenda Stability.” *The Journal of European Public Policy* 25 (4): 586–605.
- Greene, Zachary** and Christian Jensen. 2018. “Ruling Divided: Disagreement, Issue Salience and Portfolio Allocation.” *Party Politics* 24 (6): 640–651.
- Greene, Zachary**, Jae-Jae Spoon and Christopher Williams. 2018. “Reading between the Lines: Party Cues and SNP Support for Scottish Independence and Brexit.” *Journal of Elections, Public Opinion and Parties* 28 (3): 307–329.
- Greene, Zachary**. 2017. “Working through the issues: how issue diversity and ideological disagreement influence coalition duration.” *The European Political Science Review* 9 (4): 561–585.
- Greene, Zachary** and Matthias Haber. 2017. “Maintaining Partisan Ties: Preference Divergence and Partisan Collaboration in Western Europe.” *Party Politics* 23 (1): 30–42.
- Greene, Zachary** and Diana Z. O’Brien. 2016. “Diverse Parties, Diverse Agendas? Female Politicians and the Parliamentary Party’s Role in Platform Formation.” *The European Journal of Political Research*. 55 (3): 435–453.
- Greene, Zachary** and Matthias Haber. 2016. “Leadership Competition and Disagreement at Party National Congresses.” *British Journal of Political Science*. 46 (3): 611–632.

- Greene, Zachary.** 2016. “Competing on the Issues: How experience in government and economic conditions influence the scope of parties’ policy message.” *Party Politics* 22 (6): 809–822.
- Greene, Zachary** and Christian Jensen. 2016. “Manifestos, Salience and Junior Ministerial Appointments.” *Party Politics*. 22 (3): 382–392.
- Bevan, Shaun and **Zachary Greene.** 2016. “Looking for the Party? The Effects of Partisan Change on Issue Attention in UK Acts of Parliament.” *European Political Science Review* 8 (1): 47–72.
- Greene, Zachary** and Matthias Haber. 2015. “The Consequences of Appearing Divided: An Analysis of Party Evaluations and Vote Choice.” *Electoral Studies* 37: 15–27.
- Bowen, Daniel and **Zachary Greene.** 2014. “Should We Measure Professionalism with an Index? A Note on Theory and Practice in State Legislative Professionalism Research.” *State Politics and Policy Quarterly* 14: 277–296.

Published Conference Proceedings, Book Chapters, Reports, Invited Blog Posts and Online repositories

- Maarja Lühiste and **Zachary Greene.** 2023. “[Estonian elections: conquered by Russia for centuries, why this Baltic country is worried about the Ukraine war.](#)” *The Conversation* (March 6).
- Zachary Greene** and Despina Alexiadou. 2022. “Parties in Government and Coalitions.” *The Routledge Handbook of Political Parties* (Forthcoming).
- Greene, Zachary,** Pola Lehmann, Christoph Ivanusch and Thomas Schöber. 2021. “[A Repository of Political Party and Interest Group Texts.](#)” OPTED Horizon 2020 Project Report.
- Greene, Zachary** and Lauren Toner. 2021. “[Parties’ increased reliance on online forms of communication may hold serious consequences for both their functioning and their relationship with the public](#)” *LSE British Politics and Policy Blog*.
- Greene, Zachary** and Maarja Lühiste. 2021. “[Why certain lifestyles and interests may have influenced COVID-19 decision-making more than others](#)” *LSE British Politics and Policy Blog*.
- Greene, Zachary** and Lauren Toner. 2020. “[Labour’s ‘internal democratisation’: how Corbyn’s leadership attempted to consolidate their own faction’s position](#)” *LSE British Politics and Policy Blog*.
- Greene, Zachary** and Javier Sajuria. 2018. “[Who spoke at Labour’s conference, who didn’t, and what this tells us about a People’s Vote](#)” *LSE British Politics and Policy Blog*.
- Greene, Zachary,** Christopher Williams, and Jae-Jae Spoon. 2017. “[Tactical Voting in Referendums: Did SNP’s Mixed Signals Encourage those for Independence to Vote for Brexit?](#)” *LSE British Politics and Policy Blog*.

- Greene, Zachary** and Matthias Haber. 2017. “How Electoral Competition Explains Preference Convergence and Divergence in Pre-Electoral Coalitions.” *LSE Europeblog* (April 6).
- Greene, Zachary**. 2016. “Intra-Party Disagreement at Party National Congresses and Issue Salience in Election Manifestos: Evidence from Germany.” Published in the Proceedings of the PolText 2016 Conference in Dubrovnik, Croatia (July 14-16) .
- Greene, Zachary** and Diana Z. O’Brien. 2016. “New Women MPs shift their party leftwards - but female leaders don’t.” *Democratic Audit UK* (November 16).
- Bevan, Shaun and **Zachary Greene**. 2016. “Setting the policy agenda: the role of economic context, parliamentary majority and party membership.” with Shaun Bevan. *LSE British Politics and Policy Blog* (April 5).
- Greene, Zachary** and Matthias Haber. 2014. “UK voters see divided political parties as less able to make sensible or coherent policies.” *Democratic Audit UK* (November 21).
- Johnson, Amy Jo and **Zachary Greene**. 2004. “Female Genital Mutilation and Constructions of Masculinity in Twentieth Century Egypt.” *Al-Raida Journal 104-105*: 52-63.

Datasets and Archived Papers

- PIs: **Greene, Zachary**, Nikoleta Yordanova, and Goran Glavaš. [EUINACTION Norface Network Project](#), “Parliamentary Speech Text, Issue Content and MP Positions for 28 parliaments in Europe and the European Parliament, 2009-2019.”
- PI: **Greene, Zachary**. Carnegie Trust Project, “Intra-Party Politics in Multilevel Parties: Speeches and Estimated Party Positions for politicians from UK and Scottish Political Parties.”
- Bowen, Daniel and **Greene, Zachary**. 2021 [2018, 2014]. ”Legislative Professionalism Component Scores, V1-3.” Harvard Dataverse.
- Greene, Zachary** and Matthias Haber. 2021. “A Collection of Party Conference Speeches from France and Germany.” Harvard Dataverse.
- Greene, Zachary** and Fraser McMillan. 2020. ”Scottish Party Election Manifestos, 1999-2016.” Harvard Dataverse.
- Greene, Zachary**, Andrea Ceron, Gijs Schumacher and Zoltan Fazekas. 2016. “The Nuts and Bolts of Automated Text Analysis. Comparing Different Document Pre-Processing Techniques in Four Countries.” *OSF Pre-Prints*.

Invited Presentations and Public Lectures

- “Bringing Diversity to Parliament? Gender, Quotas and Parliamentary Speech” University College Dublin (Mar 27, 2024).
- “Collaborations, Project Management & How to Not Lose Your Head Over It.” ETH, University of Zurich, Early Career Researcher Forum (Oct 17, 2023).

Presenter and panel moderator at the 'Cyber-Securing Democratic Elections: Will next year's elections be safe from cyber attack, misinfo and AI?' at the University of Strathclyde (June 27, 2023).

Participant in the "Life after ChatGPT" on Bötto Island, University of Gothenburg (May 2023).

"Screening Out Disagreement? Candidate Nomination Criteria and Preference Diversity in Parliamentary Debate" Presented at the Chair for at the Cologne Centre for Comparative Politics, University of Cologne (January 2023).

"How Intra-Party Disagreement Determines Issue Salience and Diversity in Election Manifestos" Presented at the Humboldt University, Berlin (August 2022).

"Perspectives on Intra-party Agreement and Voter Perception" Presented at the MZES Colloquium at Universität Mannheim (April 2021).

"Keeping it in the Family? Party Cohesion, Disagreement and Voter Perception" Presented at the EPOP Anthony King Award pre-conference at the University of Strathclyde (September 2019).

"Keeping it in the Family? Party Cohesion, Disagreement and Voter Perception" Presented at the Political Campaigning, Messaging, and Rhetoric workshop at UCL (September, 2019).

"Intra-Party Politics in Crisis? How Parties Manage Internal Disagreements." Copenhagen, Denmark (August 2019).

"Intra-Party Politics in Crisis? How Parties Manage Internal Disagreements." Presented at the University of Nevada, Las Vegas, University Forum (April 9, 2019).

Reporting on Diversity: Using Structural Topic Models to Measure Media Coverage of Parties' Campaign Messages at the University of Glasgow event, 'Challenges and Opportunities at the Intersection of the Computing and Social Sciences' (February 21, 2019).

"How Intra-Party Disagreement Determines Issue Salience and Diversity in Parties' Manifestos." Presented at the Trinity College Dublin (October 2018).

"How Intra-Party Disagreement Determines Issue Salience and Diversity in Parties' Manifestos." Presented at the University of Pittsburgh (September 2018).

"Issue Diversity and Competition in Party Election Campaigns." Presented at Laval University (April 2017).

"From Campaigns to Experts: The role of information and bias in measuring party preferences." Presented at the University of Essex (March 2016).

"From Campaigns to Experts: The role of information and bias in measuring party preferences." Presented at the Chair of Democratic Governance at the University of Vienna (Dec. 2015).

"The Electoral Significance of Divided Behavior: The Conditional Consequences of Voter Perceptions." Presented at the University of Amsterdam (Nov. 2015).

“The Electoral Significance of Divided Behavior: Exploring the Partisan Roots of Voter Perceptions.” Presented at the European Politics Research Group, Indiana University (May 2015).

“Punishing Democracies, with Amanda Licht. Presented at the Shambaugh Conference on Democratic Backsliding.” Presented at the University of Iowa (April 2015).

“The Electoral Significance of Divided Behavior: Exploring the Partisan Roots of Voter Perceptions.” Presented at the Comparative Politics Research Group, University of Illinois, Champaign-Urbana (April 2015).

“With Friends Like These: Party Organization and Intra - Party Watchdogs in Parliamentary.” Presented at the Parliamentary Scrutiny of European Politics workshop at the University of Heidelberg (July 2014).

“The Electoral Consequences of Issue Diversity in Parties Election Campaigns”. Presented at the Political Economy Workshop at the University of Rotterdam (June 2014).

Conferences and Workshops Organized

Organizer, “The Behavioural Implications of Technological Change in Representative Institutions” workshop (Nov 2023) at the University of Strathclyde.

Section Head, *Political Parties and Legislatures*, European Political Science Association Annual Conference (June 2023) Glasgow, UK.

Organizer, [CompText](#) (May 2023) at the University of Strathclyde.

Section Head, *Advanced Industrial Democracies*, American Political Science Association Annual Conference (Sept 2020) San Francisco, California, USA.

Organizer, The Elections, Public Opinion and Parties Conference (with Heinz Brandenburg and Stefanie Reher) (Sept 2019) at the University of Strathclyde.

Organized the workshop on “Parties, Information and the Public: trends in political parties’ communication strategies and voter responses” (Sept 2019) at the University of Strathclyde.

Section Head, New Methods and Theories, International Society for Political Psychology Conference, July 2019, Lisbon, Portugal.

Organized the workshop on “Intra-Party Politics in Times of Crisis” (June 2019) at the University of Strathclyde.

Organized the workshop on “Intra-Party Politics in the Modern Era” (June 2018) in Vienna, Austria.

Organized the workshop on “Perspectives on Intra-Party Politics: theoretical approaches and practical applications” at the University of Milan (June 26-27, 2017) in Milan, Italy.

Organized the workshop on “The Party Congress Research Group” at the University of Vienna (June 29-30, 2015) in Vienna, Austria.

Organized the workshop on “Talking to the Party: A Cross-Country Collection of Intra-Party Debates” at the European Consortium for Political Research Research Sessions at the University of Essex (July 8-11, 2014) in Essex, United Kingdom.

Selected Conference Participation

American Political Science Association, 2010-11; 2013–2023

Elections, Public Opinion and Parties, Political Studies Association, 2012, 2015–2023

European Consortium for Political Research, 2009, 2014, 2016

European Political Science Association, 2011; 2013–2023

International Society for Political Psychology, 2018

Midwestern Political Science Association, 2008–2024

Political Studies Association, Ireland, 2021

PolText & COMPTXT, 2014, 2016, 2018, 2022, 2023

Competitive Grants and Awards

International Expert Panel, “INTRAPARTY: The Value of Intra-Party Divisions to Political Parties’ Electoral Performance”, 2022–2023.

Facilitator, “Quantitative Approaches to Linguistic and Textual Analysis and Data Visualisation using R” Scottish Graduate School for Social Sciences Pathway Training Fund, Fall 2020, £1,385.

Principle Investigator, Norface Network EUINACTION project, 2020-2023, 1.2m euros.

Cooperating Partner, Horizon 2020 OPTED project, 2020-2023, 40K euros.

Economic and Social Research Council PhD Studentship funding in Advanced Quantitative Methods, 2019–2022.

Principle Investigator, Carnegie Research Incentive Grant, October 2019-April 2022, £15K.

Principle Investigator, The Elections, Public Opinion and Parties section of the PSA, Anthony King Prize, 2018–2019, £1K.

First Supervisor, Instructor led competition for Economic and Social Research Council PhD Studentship in Advanced Quantitative Methods, 2018–2021.

Associated Researcher, C2 project of the SFB 884 The Political Economy of Reforms funded by the German Research Council (DFG) at the University of Mannheim, 2015–present (renewed in 2013 and 2017).

Project Post-doctoral researcher for the C2 project of the SFB 884 “The Political Economy of Reforms” at the University of Mannheim, 2012–2015.

Principle Investigator, MZES Project “Looking Inside the Black Box,” University of Mannheim, 2014–2015.

Graduate College Summer Dissertation Fellowship, Summer 2011.

European Consortium for Political Research Mobility Fund, Summer 2009.

T. Anne Cleary International Dissertation Improvement Grant, 2009–2010.

Stanley International Research Grant, 2009–2010.

University of Iowa Graduate Student Senate Travel Grant, Fall 2008.

Stanley International Travel Grant, Fall 2008.

Research Scholar, University of Iowa, Fall 2006–Spring 2012.

Teaching

University of Strathclyde

Postgraduate: Comparative Political Institutions, Fall 2021–2023; Political Parties, Fall 2019.

Undergraduate: Honours Seminar in Party Politics, Spring 2016–present (approx. 40 students); Introduction to Politics, Fall 2017–2019 (approx. 250 students).

Methods Workshops: Introduction to Quantitative Text Analysis in R (November 2016, March 2017, May 2018 & April 2022)

Invited Methods Schools and Workshops

Introduction to Quantitative Text Analysis and Machine Learning for Social Scientists using R, Feb 2024, The European Consortium for Political Research Summer School.

Introduction to Quantitative Text Analysis and Machine Learning for Social Scientists using R, Aug 2023, The European Consortium for Political Research Summer School.

Introduction to Quantitative Text Analysis and Machine Learning for Social Scientists using R, July 2023, The European Consortium for Political Research Summer School.

Quantitative Text Analysis and Machine Learning for Social Scientists using R, May 25-26 2022, Newcastle University.

Intra-Party Politics and the Crisis of Democratic Representation, August 2019, [European Consortium for Political Research Summer School on Party Politics and Party Systems](#).

Quantitative Text Analysis for Social Scientists using R, June 2019, [ReSPoS 2019](#) at the University of Milan.

Quantitative Approaches for Analyzing Political Texts as Data, 2017, Laval University.

University of Georgia study abroad in Scotland

Undergraduate: Comparative Political Parties, Summer 2018 and 2019.

University of Mannheim

Graduate: Comparative Government, Fall 2013.

University of Iowa

Undergraduate: Introduction to Comparative Politics, Spring 2011 & Summer 2011; Problems in Comparative Politics: Discipline, Strategy and Power – Legislative Politics in Global Comparison (University of Iowa), Spring 2010.

Teaching Assistant Experience (University of Iowa): Urban and Local Politics (Fall 2011, Spring 2012), European Union Politics (Spring 2011), Introduction to Comparative Politics (Fall 2008, Spring 2009), European Government and Politics (Spring 2008), Introduction to American Politics (Fall 2007).

Post-doctoral and Ph.D. Supervision

Post-doctoral Researchers

Christine Sylvester, October 2020– Sept 2023

Pre-doctoral Researcher

Thomas Schober, June 2023– Sept 2023

Elise Frelin, August 2023– Sept 2023

Completed PhDs

Internal Reviewer, Hannah Salamon, completed August 2023

“The Effects of Institutional Gender Makeup and Gender Equality on Climate Change Policy and Outcomes”

First Supervisor, Alberto de León Concepción, completed March 2023

“The Decentralization Game. Leaders’ speeches and what characteristics determine their position on decentralization”

Internal Reviewer, Brian Boyle, completed May 2021

“Engineering Democracy: Electoral Rules and Political Engagement”

Second Supervisor, Mária Žuffová, completed April 2020

“The impacts of government transparency”

Second Supervisor, Fraser McMillan, completed February 2019.

“The Meaning of Mandates Party Competition and the Programme-to-Policy Linkage”

Ongoing PhDs

Second supervisor, Elise Frelin, Fall 2022 – present.

First supervisor, Thomas Schober, 2020 – present.

First supervisor, Lauren Toner, 2020 – present.

Second Supervisor, Andrew McKenna, 2019–present.

Second Supervisor, Iakovos Makropoulos, 2017–present.

External

Prüferer/External Examiner, Matthias Kaltenecker, March 2023, University of Vienna
“Leaders under Pressure: Drivers and Consequences of Intra-Party Power Dynamics”

External Committee Member, Christopher Jorde, April 2022, University of Colorado,
Boulder

“Outsiders on the Rise: New Parties and Party Competition in Multilevel Systems”

External Examiner, Sarah Wagner, January 2022, University of Essex
“Radical Left Parties and the Role of Euroscepticism”

External Opposition, Elina Lindgren, January 2018, University of Gothenburg, Sweden.

External Reviewer, Letitia Adaken, Summer 2017, University of Witwatersrand, South Africa.

Research Experience

Associated Researcher for the Project C2 of the Collaborative Research Center SFB 884
“Political Economy of Reforms” at the University of Mannheim, Fall 2015–present.

Post-Doctoral Researcher for Project C2 of the Collaborative Research Center SFB 884
“Political Economy of Reforms” at the University of Mannheim, July 2012 – August 2015.
Responsibilities included successfully applying for funding from the German National
Science Foundation (DFG) in collaboration with the Principal Investigators (37, oversee
PhD students funded by the project, develop and submit questions for the German Inter-
net Panel, and contribute research related to intra-party politics and government reform
processes.

Coder for the French Policy Agendas Project, Science-Po Paris – Fall 2009–Winter 2010.
Work included coding French political party manifestos for the Policy Agendas Project
and assisting graduate students with their statistical analyses.

Research Assistant for Dr. Christian Jensen, University of Iowa, Fall 2006–Spring 2007.
Work included coding legal documents on EU infringement cases for quantitative analysis.

Research Assistant for Dr. Jae-Jae Spoon, University of Iowa, Spring 2008. Work included
text analysis of newspapers for media perceptions of the Green Party in the UK.

Professional Service

Editor, *Journal of Elections, Public Opinion and Parties*, 2021– present.

Co-Convenor, Elections, Public Opinion and Parties section of the Political Studies
Association, 2019–present.

External Examiner, University of Bath Politics Department, 2020–2024.

External Examiner, University of Glasgow Q-Step Centre, 2018–2022.

Associate Editor, *Research and Politics*, 2018–present.

Grant Reviewer

ERC, Starting Grant, External Reviewer, 2021

PSA Ireland, Early Career Grants, 2019, 2021, 2022

Selected list of recent journal Referee reports: *The American Political Science Review*, *American Journal of Political Science*, *The British Journal of Political Science*, *The Journal of Politics*, *Journal of Information, Technology and Politics*, *Political Science Research and Methods*, *European Journal of Political Research*, *The Journal of Comparative Politics*, *World Politics*, *Social Science Research*, *PLOS one*, *Party Politics*, *Legislative Studies Quarterly*, *Electoral Studies*, *Political Behavior*, *Political Research Quarterly*, *International Studies Quarterly*, *Legislative Studies*, *West European Politics*, *Economic Systems*, *Political Science Research Review*, *The Journal of European Public Policy*, *The Journal of Public Policy*, *Journalism*, *Acta Politica*.

Colloquium Coordinator School of Government and Public Policy, University of Strathclyde (2015-present)

Chapel Hill Expert Survey Team, 2014, 2017, 2019, 2020, 2023.

Workshop Chair for “Talking to the Party: A Cross-Country Collection of Intra-Party Debates” at the European Consortium for Political Research, Research Sessions (July 8-11, 2014) Essex, United Kingdom.

Conference Assistant, 27th Annual Society for Political Methodology Summer Conference (July 22-24, 2010) Iowa City, IA.

Travel and Research grant reviewer for the Executive Committee of Graduate and Professional Students at the University of Iowa, August 2008- May 2010.

Conference Assistant, University of Iowa Shambaugh Conference, July 2007

Association Memberships

American Political Science Association

European Consortium for Political Research

European Political Science Association

Midwest Political Science Association

Elections, Public Opinion and Parties section of the Political Studies Association

Additional Methods Training Undertaken

Supervised Approaches to Machine Learning, Newcastle University, April 2023.

University of Glasgow, Q-Step Quantitative Text Analysis training, Fall 2016.

GIS workshop at the University of Iowa, April 24 2011, Department of Geography University of Iowa.

Introduction to “Tools for Text” Techniques and Software, June 19 2010, Annual Conference of the Comparative Agendas Project, Seattle, WA.

Introduction to R & Data Manipulation in R, February 2010, Statistics Outreach Center at the University of Iowa.

Taking Time Seriously, January 2007, Suzanna Linn.

Statistical and Computer Skills

Software: R, Stata, Qualtrics, L^AT_EX

Methods: Machine Learning, Text-as-Data Approaches, Content Analysis, Survey Design, Quantitative Research Methods

Language Proficiency

English (native), French (intermediate), German (intermediate), Spanish (intermediate)

Non-professional Organizations and Qualifications

American National Ski Patrol, 2001–present

American Red Cross, Basic Life Support, 2001–present

Outdoor Emergency Care Technician 2002–present