

Rebecca Barney

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EDUCATION

University of Minnesota	Masters in Geographic Information Science Graduate Minor in Urban and Regional Planning	Minneapolis, Minnesota Anticipated 2018
University of Minnesota	Bachelor of Arts, Geography Minor in Geographic Information Science	Minneapolis, Minnesota December 2014

PROFESSIONAL SKILLS

Software	◆GIS Software: ESRI's ArcGIS (Desktop, Online, Pro & Collector), QGIS, CARTO, Mapbox, AutoCAD, GoogleEarth, GoogleEngine, TerrsSet & ERDAS Imagine ◆Adobe Creative Suite: Illustrator, Photoshop and InDesign ◆Microsoft Office Tools: Word, Excel and PowerPoint
Skills	Cartography, map design, project management, workflow, spatial analysis, geo-referencing, model building, database management, data querying, digitization, vectorization, data collection, curriculum development, lesson plans, lectures, tutoring, demonstrations, grading, feedback
Languages	◆Programming: Python, SQL, KML & R ◆Web Development: HTML, CSS, Javascript, Java & AWS server implementation ◆World Languages: English, German, Croatian

EXPERIENCE

Research Assistant U-Spatial Sep 2015- Present	◆Assists University students, faculty and staff via email and walk in hours to solve spatial problems and enable successful project implementation ◆Develops curriculum for Training implementation and Summer Camps ◆Coordinates Events including the Spatial Summer Bootcamp
Teaching Assistant University of Minnesota Sep 2016- May 2017	◆Directed lab periods & introduced exercises for Intro & Advanced GIS courses ◆Prepared, graded and provided feedback on homework assignments ◆Advised students with technical difficulties and directed problem solving
Planning Intern MnDOT May- Nov 2015	◆Designed maps for the Safe Routes to School programs, managed databases, developed website content & wrote reports about federal funding distribution. ◆Expanded the MN Statewide Pedestrian Plan by researching & writing reports of impacts for disadvantaged populations & got involved in community outreach ◆Initiated and created a database and tracking methodology for SRTS Grant Recipients to enable easy tracking and documentation of past applications
Research Assistant University of Minnesota Aug- Oct 2014	◆Compiled spatial project data for transit accessibility in Greater MN ◆Produced a webpage mapping platform, gaining familiarity with HTML & KML

AWARDS

GISSO President	◆Coordinated the 2017 GIS Networking & Career Fair	2016-2017
U-Spatial Mapping Prize	◆Graduate Level Best Cartography	2016 & 2017
MN GIS/LIS Speaker	◆Consortium Student Competition Undergraduate UMN Rep	Oct 2014
U-Spatial Mapping Prize	◆Undergraduate Level Best Interactive Map	Jan 2014