

Jennifer MacDonald

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EDUCATION:

- **Master of Science** (University of California, Los Angeles) *Los Angeles, CA*
 - Major: Data Science Engineering *Sep 2016—present*
 - Cumulative GPA: 3.667
- **Bachelor of Science** (University of California, Los Angeles) *Los Angeles, CA*
 - Major: Cognitive Science with a Specialization in Computation *Sep 2014—Jun 2016*
 - Cumulative GPA: 3.701, *cum laude*
 - Graduation Speaker

KNOWLEDGE AND SKILLS:

- **Languages:** Java, Python, R, PHP, Ruby, JavaScript
- **Frameworks:** Rails, AngularJS
- **Tools:** Git, SVN, VIM, Heroku

RELEVANT COURSEWORK:

- Programming in C
- Computer Science & Object-Oriented Design
- Object-Oriented Programming Methodologies
- Programming II—Programming in Java
- JavaScript for Programmers
- Software Tools and Techniques Laboratory
- Discrete Structures
- MATLAB Programming
- Database Systems
- Big Data Analysis
- Basic Data Science
- Web Information Management (*IP*)

RELEVANT EMPLOYMENT:

- **S & C Electric: Lab Manager Intern** *Jan 2017—present*
 - Install, integrate, and test firmware on S&C circuit boards
 - Update and maintain configuration of peripheral products
- **OpenX: Software Engineer UI Intern** *Jun 2015—Sep 2015*
 - Troubleshoot, fault isolated, and fixed bugs in the Enterprise product
 - Built website to instruct OpenX users about programmatic advertising markets
- **UCSD: Computer Science and Engineering Tutor** *Jun 2014—Sep 2014*
 - Held discussions and weekly lab hours for programming help for C programming course
 - Graded programs, midterms, and finals

PROJECT EXPERIENCE:

<http://github.com/jennifermacdonald>

- **Master Coursework**
 - Repository for master class projects and assigned homework
 - Focused projects on database systems, big data classification, and predictive modeling
- **IronFin** (Collaboration project)
 - Utilized Ruby on Rails framework and PostGres to create a RestAPI project
 - Deployed 10,000 records from a database to Heroku
- **Undergraduate Honors Thesis** (*Effects of surface characteristics on amodal completion*)
 - Year-long individual research on contour interpolation
 - Developed an adaptive staircase paradigm in Matlab to test subject's ability to identify contours
- **learn.OpenX**
 - Worked with the UX and PM teams to build an internal training website
 - Created online learning modules using AngularJS framework, similar to Google's AdWords courses