

MELISSA A. SHEEHAN

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EDUCATION

University of California, Davis Bachelor of Science in Computer Science; GPA: 3.66	September 2016 – June 2018
University of California, San Diego Cross-enrollment program	September 2015 – June 2016
San Diego Miramar College Associate in Computer and Information Sciences	September 2014 – June 2016

SKILLS

- React, Ruby on Rails, JavaScript, jQuery, Python, C++, Java, and HTML/CSS
- Full stack experience - taking features through each phase: design, implementation, testing, and maintenance
- Effective team-oriented leader and communicator as demonstrated by earning 1st place at hackathon

EXPERIENCE

Web Developer, Center for Educational Effectiveness – UC Davis, Davis, CA	September 2017 – present
<ul style="list-style-type: none">• Implementing 12+ features such as forms, note-taking, and dynamic data tables• Refactoring legacy code and revamping for scalability• Incorporating open-source libraries and writing web scraping scripts• Utilizing Agile workflow in a fast-paced startup environment	
Tutor, Computer Science 4 Kids, Davis, CA	April 2018 – June 2018
<ul style="list-style-type: none">• Taught debugging techniques and integration of code with PythonAnywhere IDE• Assisted with development of math-problem generating site using Python and Flask	
Instructor, iD Tech – UC Berkeley, Berkeley, CA	June 2017 – August 2017
<ul style="list-style-type: none">• Supervised and mentored eight students each week• Created lesson plans to teach fundamentals of C++ and JavaScript• Composed and demonstrated example programs to enhance student understanding	
Business Intelligence Engineer Intern, Xifin, Inc, San Diego, CA	September 2015 – August 2016
<ul style="list-style-type: none">• Tested and documented weekly software update releases• Maintained and supported critical healthcare data (fee schedule) management	

PROJECTS

KnowYourStudents, Center for Educational Effectiveness	November 2018 - present
<ul style="list-style-type: none">• Data-visualization site to help educators improve teaching performance• Reduced rendering time by writing 20+ server requests to run in constant time• Increased user satisfaction by rebuilding frontend, data-visualization menu to more accurately calculate and display insightful data• Tools: React, Ruby on Rails, jQuery, PostgreSQL, AWS Elastic Beanstalk, D3.js for graphs describing class demographics, Redis for caching	
CommunityText, Spectra San Francisco Hackathon – Won “Best Use of mLab”	July 2018
<ul style="list-style-type: none">• Crowdsourcing platform that gathers text responses to daily questions related to the communities (topics) that users are a member of• Site is used to broadcast all responses to inspire and spread positivity to others• Created frontend site and designed functionality to retrieve backend data• Tools: React, Heroku, mLab (MongoDB), and Twilio	
Photobooth Website, Web Programming Course	May 2017
<ul style="list-style-type: none">• Image uploading site with auto-generated labels for each image• Tools: Node.js, Google Vision API for machine learning-generated labels for images, SQLite3 for image database, JavaScript, HTML/CSS	

AWARDS

UC Davis Yampol-Egerman Scholarship	November 2016
CSU San Marcos Hackathon (Team Leader) – 1 st place	April 2016
Miramar College Science Club Scholarship	April 2015

ACTIVITIES

Executive Board Member, Phi Sigma Pi, National Honor Fraternity, Davis, CA	September 2017 – June 2018
Intro to Computation Tutor, UC Davis Computer Science Department, Davis, CA	January 2017 – March 2017
Recording Secretary, Phi Theta Kappa, Community College Honor Society, San Diego, CA	April 2015 – June 2016