

MELISSA A. SHEEHAN

858-776-4802 | mxsheehan7@gmail.com | <https://www.linkedin.com/in/sheehanmelissa/>

EDUCATION

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

SKILLS

- React, Ruby on Rails (RoR), JavaScript, jQuery, Python, PostgreSQL, AWS, 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

<i>Web Developer</i> , Center for Educational Effectiveness – UC Davis, Davis, CA	November 2017 – present
<ul style="list-style-type: none">• Implementing 9+ features like forms, note-taking, and dynamic data tables• Refactoring legacy code and revamping for scalability• Incorporating libraries as needed for new features being produced• Utilizing Agile workflow in a fast-paced startup environment	
<i>Tutor</i> , 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	
<i>Instructor</i> , iD Tech – UC Berkeley, Berkeley, CA	June 2017 – August 2017
<ul style="list-style-type: none">• Supervised and mentored eight students each week• Creating lesson plans to teach fundamentals of C++ and JavaScript• Composed and demonstrated example programs to enhance student understanding	
<i>Business Intelligence Engineer Intern</i> , 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

<i>KnowYourStudents</i> , Center for Educational Effectiveness	January 2018 - present
<ul style="list-style-type: none">• Data-visualization site to help educators improve teaching performance• Defining new relationships between models and rebuilding frontend menu to display course-specific resources and suggest instructional methods• Tools: React, Ruby on Rails, jQuery, PostgreSQL, AWS Elastic Beanstalk, D3.js for graphs describing class demographics, Redis for caching	
<i>Time2Eat</i> , Cal Hacks – UC Berkeley	October 2017
<ul style="list-style-type: none">• Suggests the proper heating time of a selected food option and plays a randomly selected video that matches the specific cooking time• Set up server-side framework (Rails), designed frontend functionality and backend video-to-time aligning algorithm• Tools: Ruby, Ruby on Rails, Heroku	
<i>Photobooth Website</i> , 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

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