# MELISSA A. SHEEHAN

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## EDUCATION

*University of California, Davis*                                                                September 2016 – June 2018
Bachelor of Science in Computer Science; GPA: 3.66

*University of California, San Diego*                                                           September 2015 – June 2016
Cross-enrollment program

*San Diego Miramar College*                                                                      September 2014 – June 2016
Associate in Computer and Information Sciences

## SKILLS

- React, Ruby on Rails, JavaScript, 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 – September 2018
- 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
- 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
- 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, San Diego, CA                               September 2015 – August 2016
- Tested and documented weekly software update releases
- Maintained and supported critical healthcare data (fee schedule) management

## PROJECTS

*KnowYourStudents*, Center for Educational Effectiveness                               November 2018 – September 2018
- 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, PostgresSQL, 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
- 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
- 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) – *1st 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