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| **MELISSA A. SHEEHAN** |  |
| 858-776-4802 | [mxsheehan7@gmail.com](mailto:mxsheehan7@gmail.com) | <https://www.linkedin.com/in/sheehanmelissa/> | |
| **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, 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** |  |
| *Web Developer,* Center for Educational Effectiveness – UC Davis, Davis, CA   * Implementing 9+ features like 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 | November 2017 – present |
| *Tutor, Computer Science 4 Kids, Davis, CA*   * Taught debugging techniques and integration of code with PythonAnywhere IDE * Assisted with development of math-problem generating site using Python and Flask | April 2018 – June 2018 |
| *Instructor,* iD Tech – UC Berkeley, Berkeley, CA   * 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 | June 2017 – August 2017 |
| *Business Intelligence Engineer Intern,* Xifin, Inc, San Diego, CA   * Tested and documented weekly software update releases * Maintained and supported critical healthcare data (fee schedule) management | September 2015 –August 2016 |
| **PROJECTS** |  |
| *KnowYourStudents*, Center for Educational Effectiveness   * 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, PostgresSQL, AWS Elastic Beanstalk, D3.js for graphs describing class demographics, Redis for caching * Optimizing 20+ server requests to run from linear to constant time | January 2018 - present |
| *Time2Eat*, Cal Hacks – UC Berkeley   * 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 | October 2017 |
| *Photobooth Website*, Web Programming Course   * 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 | May 2017 |
| **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 |