

EDUCATION

UNIVERSITY OF CALIFORNIA IRVINE -

Bachelor of Science, Informatics
Specialization in Human Computer Interaction

SEPTEMBER 2015 - PRESENT
(Expected Graduation Summer 2017)

COMPUTER APPLICATIONS AND LANGUAGES

Experience in MAC, Windows and Linux Operating Systems. Knowledge of Python, PHP, HTML, CSS, MySQL, JavaScript, jQuery, Ajax, Bootstrap. Familiar with Java, C++ and Android Studio. Proficiency in Microsoft Office, Sketch, Balsamic, Git version control, Adobe Photoshop, Illustrator and Apple Final Cut Pro & Express.

EXPERIENCE

UC IRVINE ANTEATER TV

JANUARY 2017 - JUNE 2017

DIGITAL MARKETING DIRECTOR

- Oversee the creation and implementation of marketing materials, both physical and online, using Canva, Illustrator, Photoshop.
- Assist in coordinating marketing campaigns, to publicize ATV successfully and creatively to reach our marketing goals.
- Directing and Coordinating interns to produce original branding content, flyers, memes, logos, ads, photo collages, etc.
- Redesign ATV website using Squarespace and update consistently.

NASA JET PROPULSION LABORATORY

JANUARY 2015 - AUGUST 2016

PLANETARY CHEMISTRY AND ASTROBIOLOGY INTERN

- Development of the Sample Data Library (SDL) for the JPL Astrobiogeochemistry Laboratory (ABCLab), utilizing Amazon Web Services for data library development, including web-accessible storage, relational data base services, and a virtual web server.
- Built software applications in Python that facilitated the upload of raw and derived data automatically.
- Curation of geological samples collected by JPL ABCLab researchers.

SOUTHERN CALIFORNIA COASTAL WATER RESEARCH PROJECT

JANUARY 2016 - JUNE 2016

INFORMATION MANAGEMENT AND ANALYSIS LABORATORY ASSISTANT

- Construction of a mobile application framework, using JavaScript, jQuery, PHP and MySQL, that feeds data to a cloud infrastructure.
- Integrating existing scientific data analysis tools that will offer scientists an automated method for processing their data while providing a visual context of results into a scalable web framework.

NASA JET PROPULSION LABORATORY

JUNE - AUGUST 2014

MOBILITY AND ROBOTICS INTERN (Computer Vision)

- Conceptualized, produced and developed research video material in Kdenlive (Linux).
- Used MATLAB to produce real-time graphs that plotted Micro Air Vehicle (MAV) data to demonstrate research in system capabilities for conferences and internet presentations.

NASA JET PROPULSION LABORATORY

JUNE - OCTOBER 2013

MOBILITY AND ROBOTICS INTERN (Robotic Mobility)

- Developed contingency and field test plans for extreme terrain robot control and autonomy advancement.
- Remotely operated the extreme terrain tethered Axel rover using on-board sensor data in simulation of extreme environments and mission-like constraints of remote exploration.
- Designed and fabricated camera dust barriers for rover on board cameras.

PROJECTS

SENIOR DESIGN PROJECT: Astronics Test Systems WaferNav & ActivATE WaferNav

JANUARY 2017 - JUNE 2017

- Worked designing and implementing UI for **WaferNav**, an Android mobile application that provides routing assistance to allow the proper transfer of semiconductor testing materials to the correct locations in a testing facility. As well as **ActiveATE WaferNav**, a C# desktop application which allows an administrator at the testing facilities to view and configure the routing information used by the WaferNav mobile application.

PROJECT IN SOFTWARE SYSTEM DESIGN: Experian Partner-Tenant Configuration Tool

JANUARY 2017 - JUNE 2017

- The Partner-tenant configuration tool is a desktop application built using PHP Laravel and Bootstrap, it is used for maintaining and containing client-to-client information, which allows users to access, edit and create new partners and tenants, saving to a database as a json file. It is an internal, decoupled web solution that serves as a very simple plug and play to any backend system, and allows users to onboard and manage partners very quickly and effectively.

HackUCI: PartyBuddy

JANUARY 13 - 15 2017

- Team developed **PartyBuddy**, a web and mobile application that lists night life venues in order of search popularity via Twitter, Google Trends and other factors to show what venues will be popular that given evening. Integrated a crowd sourcing algorithm that takes account of "unsafe incidents." Meaning, every time a user reports sexual harassment, stalking, etc. the application shows a report of "negative incidents" in the area. Involved in AWS database implementation, contribution to data mapping and UI.

UCI DATA SCIENCE HACKATHON: adMOD

MAY 14 - 15, 2016

- Member of participating team which developed **adMOD**, a data visualization tool aimed to give viewers a bird's eye view of the typical mobile phone user's day through an interactive sunburst diagram. The goal of the visualization is to give a clear perspective on when and where advertisers can push their ads based on their goal audience app usage. *Tools used: Python, D3, R, JSON, MySQL.*

LANGUAGES

Fluent in Spanish, speaking, reading and writing.

SCHOLARSHIPS & AWARDS

- President's Volunteer Service Award 2015
- Northcross Service Award Nomination 2015
- Southern California Edison STEM Scholarship 2015
- Carl and Rose Saterfield Memorial Scholarship 2013

SCHOOL ORGANIZATIONS

SOCIETY OF WOMEN ENGINEERS - UCI SECTION: Section Officer - Webmaster

WOMEN IN INFORMATION AND COMPUTER SCIENCE: Collegiate Member

SOCIETY OF WOMEN ENGINEERS - SANTA ANA COLLEGE: Collegiate Interest Group Founder and President (2013 - 2015)

PROFESSIONAL ORGANIZATIONS

- SOCIETY OF WOMEN ENGINEERS - Collegiate member
- SOCIETY OF PROFESSIONAL HISPANIC ENGINEERS - Collegiate Member

VOLUNTEERING

- GIRLS WHO CODE CLUB: ORANGE COUNTY SCHOOL OF THE ARTS - Instructor (October 2015 - May 2016)
- SciGirls: PBS stem Outreach program - Mentor (January 2014 - June 2015)
- Santa Ana Unified School District - STEM Outreach Volunteer (September 2013 - Present)
- Math, Engineering, Science Achievement (MESA: Santa Ana College) - Outreach Volunteer (2013 - 2015)

LINKS

MEET JPL INTERNS: ENGINEERED FOR SUCCESS (Published July 24, 2014)

Hear stories from interns pushing the boundaries of space exploration and science at the leading center for robotic exploration of the solar system, NASA's Jet Propulsion Laboratory.

<http://www.jpl.nasa.gov/edu/news/2014/7/24/engineered-for-success/>

WHAT DOES IT MEAN TO BE A JPL INTERN? (Published on February 9, 2015)

Students share what its like to intern at NASA's Jet Propulsion Laboratory in Pasadena, California.

https://www.youtube.com/watch?v=FUlkGg_GFNg

