

Juan E. Zamudio

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EDUCATION

Pomona College

Bachelor of Arts in Computer Science and Theatre

Claremont, CA

Expected May 2018

Relevant Coursework: Software Development, Algorithms, Graph Algorithms, Advanced Data Structures, Programming Languages

Programming Languages: Java, HTML/SCSS, Python, C (Beginner), Ruby on Rails (Beginner), ReactJS/Redux, Haskell, JavaScript

Awards | Honors: NSF Scholar - 2017 Tapia Conference, 2017 Code2040 Fellow, 5C Fall '17 Hackathon Tech for Good Winner, 2017 Code2040 Hackathon Best Pitch Winner, 5C Fall '15 Hackathon Best Design Winner, Target Diversity Leadership Symposium '16, SACNAS '16 Conference Poster Presenter, Quest Scholar, NH Theatre Award Nominee for Best Supporting Actor, Pomona College Virginia Princehouse Award in Theatre

PROJECTS

MIGRAAlert

Claremont, CA

Claremont Colleges 2017 Fall Hackathon | Tech for Good Winner | ReactJS, HTML/CSS, Swift

November 2017

- Integrated native iOS Swift code into a React Native mobile app designed for undocumented immigrants to alert up to 10 family members if they are detained by U.S. Immigration and Customs Enforcement (ICE) Agency
- Developed functionality such that, with the push of a button, family members are alerted through text and location is shared

BoCo

Claremont, CA

Code2040 Hackathon | Best Pitch Winner | HTML/CSS, ReactJS, Python

July 2017

- Led front-end design development for a Yelp-like web app dedicated to promoting business owned by people of color
- Implemented UI/UX design strategies to create a seamless and accessible flow pattern for users to quickly find businesses

5C Eats

Claremont, CA

Claremont Colleges 2015 Fall Hackathon | Best Design Winner | HTML/CSS, JavaScript

November 2015

- Developed and strategized front-end design for a web app designed to monitor dining hall traffic, especially at peak hours
- Supervised a team of 6 members and delegated front-end and back-end tasks over the course of 12 hours to win Best Design

PROFESSIONAL EXPERIENCE

Pandora Media Inc.

Oakland, CA

Software Engineer Intern | Web Applications Team

June 2017 – August 2017

- Developed the Premium User Profile page for Pandora's web application using ReactJS with Redux as front-end tools
- Fixed web application redesign issues by contributing to 2 extensive bug fixes and working closely with product design
- Gained an understanding of Agile and Scrum development by fulfilling assigned tasks, triaging, and attending daily stand-ups

Pomona College Department of Computer Science

Claremont, CA

Head Teaching Assistant | Introduction to Computer Science

September 2016 – Present

- Developed deeper understanding of computer science fundamentals (recursion, loops, structures) in weekly mentor sessions
- Fostered diversity in computer science by providing additional support outside of the classroom to underrepresented students
- Developed and designed a Python script to automate personalized email and grade distribution to the 67 students in the class
- Supervised over 10 other teaching assistants to develop strong mentoring skills and to build a community for all students

Pomona College Department of Physics and Astronomy

Claremont, CA

Summer Undergraduate Research Program | Research Assistant

June 2016 – August 2016

- Created a command-line script to obtain and organize over two thousand data set files from the Swift Satellite Telescope
- Examined correlations and relationships among all existing 979 gamma ray bursts using XQuartz and iViz software
- Presented findings at the Society for Advancement of Chicanos/Hispanics and Native Americans in Science 2016 Conference

LEADERSHIP AND VOLUNTEER EXPERIENCE

Google's IgniteCS

Claremont, CA

Undergraduate Student Leader

January 2017 – Present

- Supervised, mentored, and trained 5 students in teaching local high school students in computer science
- Designed and led 3 workshops on front-end web design principles including elements of HTML, CSS, and JavaScript

BYTE Computer Science Mentorship Program

Claremont, CA

BYTE Program Coordinator and Mentor

August 2016 – Present

- Established the 2016-2017 school year cohort of mentors and mentees, connecting 18 highly experienced computer science upperclassmen majors to 24 underclassmen interested in pursuing computer science
- Promoted diversity and inclusion at the forefront by being a BYTE mentor and prioritizing space in the program for mentor groups focused on underrepresented groups, including low-income, first-generation, black, Latinx, and LGBTQ students

ABOUT ME

Interests: singing, cryptography, human rights, astrophysics, languages, creative writing, etymology, AI, diversity and LGBTQ issues

Skills: Italian (professional proficiency), Spanish (fluent), IT services, Python and Bash scripting, marketing, graphic design