

Erick Soto

Education

University of California, San Diego Sep 2015 – Dec 2019

- B.S. Math-Computer Science
- Member of TRiO SSSP

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Clearance

Prior Secret Clearance

Skills

Programming Languages

Python, Dart, Java, C++,
C, C#, ARM, Swift, SQLite,
R, MATLAB, HTML, CSS,
JavaScript

Tools

Visual Studio Code, Vim,
Sublime Text, Appltools,
WebdriverIO, Travis CI,
Sauce Labs, IntelliJ, Git,
Flutter, XCode, REST,
Arduino, Firebase, Agile,
Visual Studio, Unix,
Windows, MacOS

Interests

Software Development
Mobile Development
Game Development
Software Engineer
Machine Learning
Human Computer
Interaction (HCI)
Cyber Security
Data Science

Experience

Military Police at United States Marine Corps

- Responded to medical, fire, and car accidents; quick response minimized injuries and protection of U.S Military resources, saving millions of dollars May 2009 |
- Documentation of emergency response assisted the Marines in developing new measures to prevent and minimize future incidents Oct 2012
- Database entry and management of highly sensitive information of the over 50,000 military personnel stationed at Okinawa, Japan

Veterans Affairs Student Senator at MJC Modesto, CA May 2014 |

- Represented the over 200 veteran students at Modesto Junior College
- Helped to organize a Veterans Resource Fair Apr 2015

Projects at UC San Diego Jacobs School of Engineering

Recipe Management and Cooking Assistant Mobile Application | *React Native, Firebase, Python, Flask*

- Software Engineering, Project-based course with Professor Gary Gillespie Mar 2018 |
- Created a RESTful API using Python's Flask framework Jun 2018
- App that stored 20,000+ recipes and would give recommendations depending on fridge stock, food allergy, and preferences
- Managed a google cloud server which held the REST API and local database
- Worked with server and client side to make an intuitive user experience

Series of Custom HTML Elements | *JavaScript, HTML, CSS, Appltools, Travis CI, WebdriverIO, Sauce Labs, Agile*

- Software Engineering, Project based course with Professor Thomas Powell Mar 2019 |
- as part of Quality Assurance, I set up testing for the continuous integration pipeline which handled UI, Browser, and Integration Testing Jun 2019
- Worked with coders to ensure maintainability of the product

Craigslist app | *Dart, Flutter, Firebase, IOS, Android*

- App that can be used to sell items that are no longer needed Dec 2018
- Utilized the dart language along with Google's Flutter framework to create both an IOS and Android app that utilizes Firebase to store data

Career Development

Research Assistant at UC San Diego

Sep 2016 – Jun 2017, San Diego

- Utilized Python, JavaScript, and Blockly to increase the user experience amongst both novice and experience programmers
- Worked with Dr. Steven Swanson to help in the development of Gadgetron a tool used to facilitate gadget building
- Analyzed different test users to find faults in existing tools and implemented solutions

SD Hacks | *Java, Raspberry Pi*

Oct 2016, San Diego

- Helped implement a color detecting algorithm
- Utilized the Raspberry Pi as an image processor to distinguish changes in images
- Used to help keep track of available stalls in a parking structure