Erick Soto

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Education

University of California, San Diego   Sept, 2015 – Dec, 2019
- B.S. Math-Computer Science
- Member of TRiO SSSP

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Clearance

Prior Secret Clearance

Skills

Programming Languages

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

Tools

Flutter, XCode, Vim, REST, Arduino, Intellij, Sublime Text, Firebase, Visual Studio, Git, Unix, Windows, Mac

Interests

Software Development
Mobile Development
Artificial Intelligence
Game Development
Software Engineer
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
- Documentation of emergency response assisted the Marines in developing new measures to prevent and minimize future incidents
- Database entry and management of highly sensitive information of the over 50,000 military personnel stationed at Okinawa, Japan

May, 2009 | Oct, 2012

Veterans Affairs Student Senator at MJC   Modesto, CA
- Represented the over 200 veterans at Modesto Junior College
- Helped to organize a Veterans Resource Fair

May, 2014 | Apr, 2015

Projects at UCSD Jacobs School of Engineering

Recipe Management and Cooking Assistant Mobile Application | React Native, Firebase, Python
- Software Engineering, Project-based course with Professor Gary Gillespie
- Created a RESTful API using Python's Flask framework
- 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

March, 2018 | June, 2018

Series of Custom HTML Elements | JavaScript, HTML, CSS, Travis CI, Webdriverio, SauceLabs, Applitools
- Software Engineering, Project based course with Professor Thomas Powell
- as part of Quality Assurance, I set up testing for the continuous integration pipeline which handled UI, Browser, and Integration Testing
- Worked with coders to ensure maintainability of the product

March, 2019 | June, 2019

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

Dec, 2018

Career Development

Research Assistant at UC San Diego
Sept 2016 – June 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