

RENE FIGUEROA

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Summary

Fast learner, self-motivated and gritty SWE graduate student and future machine learning engineer, who is ready to help others through innovating technological solutions. Knowledgeable in Python and C++ and Object Oriented Design.

Skills

- C++ and Python
- Flask web microframework
- Object-oriented design
- Debugging
- TCP/IP model architecture
- Technical support

Work History

Technical Consulting Engineer, 01/2018 to Current

Cisco Systems – San Jose, CA

- Resolves and documents customer reported network issues via phone and e-mail.
- Debugs cores files using GDB in order to determine routers and switches unexpected reloads.
- Works closely with software engineers to determine causes of unexpected reloads, memory leaks and unexpected behaviors on routers and switches.
- Writes Python scripts to test and detect software defects in customers' routers and switches.

Network Engineer Intern, 05/2017 to 08/2017

Cisco Systems – Morrisville, NC

- Gained hands on experience with different networking devices such as routers, switches, wireless access points.
- Learned different networking technologies such as routing protocols, Layer 2 switching, network segmentation and optimization.

Education

Master of Science: Software Engineering, 2021

San Jose State University - San Jose, CA

Relevant courses include Data Structures and Algorithms and Enterprise Software Systems.

Bachelor of Science: Electrical Engineering, December 2016

San Jose State University - San Jose, CA

Programming Concepts and Methodology, Object-Oriented Programming, Circuit and Systems, Technical Writing for Engineers, Fundamentals of Computer and Communication Networks.

Projects

Car Break-Ins Monitor:

I designed a machine learning model to determine the probability of cars getting broken into in the Santa Clara County. I used the Tensor Flow's Keras library for model development and Flask to create RESTful APIs to call model.

Extracurricular Activities

- IEEE student member during undergraduate years.
- Volunteer math tutor for high school students.

Links

Github: <https://github.com/renefigueroa1990>

LinkedIn: [linkedin.com/in/rene-figueroa-6818bb71](https://www.linkedin.com/in/rene-figueroa-6818bb71)