Oscar Castaneda

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Employment

Lab Aide / Tutor **Saddleback College** **May 2016 – August 2018**

- Assist students with learning and improving their coding skills in C++, Java, Machine Language, and Assembly.
- Collaborated with students to assist with homework assignments, identify lagging skills and provide assistance with specific questions.
- Motivated students towards learning and studying to build self-confidence and reduce anxiety of failure with coding.

Lab Lead **Saddleback College** **May 2017 – August 2018**

- Supported Computer Science Department with the supervision and managing of 16 lab aides/tutors (12 paid, 4 volunteer).
- Created and managed work schedule for paid lab aides/tutors to work within the departments budget.

Education

Fullerton, CA **California State University, Fullerton** **Fall 2018 – Fall 2020**

- B.S. in Computer Science, December 2020. In-major GPA: 3.27.
- Undergraduate Coursework: Algorithm Engineering; File Structure & Database; Compilers; Data Science & Big Data; Network Security Fundamentals; Malware Analysis; Artificial Intelligence

Mission Viejo, CA **Saddleback College** **Fall 2011 – Spring 2014**

- Certificate of Achievement - Automotive Chassis Specialist, Spring 2014.
- Undergraduate Coursework: Automotive Fundamentals, Automotive Electrical Systems, Automotive Power Train, Automotive Air Conditioning, Advanced Automotive Electrical, Automotive Engineering Fundamentals, Diesel Technology

Technical Experience

Projects

- **Website Portfolio:** (May 2020)
  - Personal web portfolio to showcase projects built using:
    * HTML5
    * CSS
    * JavaScript
    * Jekyll
  - Hosted on Vercel.
  - *https://www.oscarcastaneda.com*

- **Python Worm:** (December 2020)
  - Python Worm developed in my Network Security course as a way to gauge our understanding of fundamental network security knowledge.
  - Used an array of different tools (e.g. GNS3, Kali Linux, Python, WireShark, Nmap, SearchSploit) and built one an isolated network setup for testing.
  - *https://github.com/ocastaneda3/python-worm*

- **RockAuto API:** (December 2020).
  - Personal project inspired by my interest in cars.
  - This Python API returns car parts from different manufactures found on RockAuto website built using FastAPI.
  - *https://github.com/ocastaneda3/rockauto_api*

- **Log Analyzer:** (August 2021).
  - Personal project built to make it easier to viewing SSH auth.log(s).
  - Tool displays by deafult the top 5 ip addresses, users, and ports used in failed attempts to log into a SSH session and can produce a full list if necessary.
  - *https://github.com/ocastaneda3/log_analyzer*

Languages and Technologies

- **Languages:** C++; Python; Java; C#; JavaScript; HTML / CSS; MySQL / SQLite
- **Operating Systems:** Windows; MacOS; Linux
- **Security:** Kali Linux; Wireshark; Burp Suite; Kali Linux; OllyDbg