Oscar Lopez

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Experience

1. **Enrichment Coach | 06/22-09/22**
   Treobytes
   Helped Students k-12 understand basic circuitry and basic drone programming with code blocks, including python for more advanced projects, also set up laptops with necessary software and programs to continue projects.

2. **Summer Intern | 03/21-07/21**
   UC San Diego
   Intern for 2021 Summer Stemulate Program, helped several non-profit organizations that helped kids with stem related projects during their Stemulate Summer program, responsibilities included hand on projects with circuitry and physics and basic coding in python and JavaScript.

3. **CoOp Internship | 08/18 – 09-18**
   MiraCosta College
   Participated in a project to set up JITWatch on a Raspberry Pi Zero for analyzing Java bytecode as ARM instructions. Documented procedures, set milestones, and created timelines. Wrote ARM assembly programs, demonstrated a buffer overflow exploit using GDB, and built a custom Raspbian image with necessary dependencies for future use.

Skills	Projects
- Python, JavaScript, Fortran, Cobol, Java, C/C++, ARM, Rust, Bash, SQL - AWS, Terraform, Docker, NodeJS, React, Azure, GCP, Flask, Git, JQuery, REST, Postgres DBM, Oracle DBM, Tableau, MySQL DBM. - Effective Communication, Leadership, Coaching.	1. **AWS Serverless CRUD API:** A REST API that manages users' favorite foods using AWS Lambda and DynamoDB. 2. **CNC G-Code Compiler** A multiparameter compiler that simulates a CNC milling machine. 3. **Rust- Multithreaded Web Server** A multithreaded web server built in Rust, ensuring 99.999% uptime and memory safety. **More Projects at: https://oscar-dev19.github.io/portfolio/**

EDUCATION

1. **California State University San Marcos: B.S Computer Science.**
2. **Palomar College: A.S Data Analytics**