Luke J. Matusiak

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lukematusiak.com

Education

California Polytechnic State University, San Luis Obispo
Bachelor of Science in **Computer Engineering**, December 2020

Technical Skills

Languages: C, Python 2/3, Java, HTML, CSS, Javascript
AWS Services: Lambda, EC2, DynamoDB, CloudWatch
Other: Linode VPS, Linux, Apache, Git, Networking

Work Experience

Distributed Systems and Cloud Engineering Intern   June 2018 – Sept. 2018
Riverbed Technology – Sunnyvale, CA

- Implemented new Office 365 Endpoint Classification and Verification System, reducing the older system's time to completion by 5 hours.
- Upgraded existing code from Python 2 to Python 3 to prepare for Python 2's End Of Life status in 2020.
- Migrated code from an on-site server to AWS Lambda.
- Independently recognized and presented issues with Lambda to management and executed the solution to migrate code to AWS EC2.
- Presented final results from summer projects to Cloud Engineering team.

Tech Aide

Dallas School District – Dallas, PA   June – Sept. 2015-2017

- Revitalized 500+ work stations across the district to decrease the district's new hardware costs and increased PC lifetime by 2+ years.
- Deployed a new linux operating system on over 500 PCs district wide, decreasing boot times by over 1 minute.
- Designed and implemented new system to quickly update linux on district PCs.
- Documented the new update system for future use.

Technical Projects

Cal Poly:
Remote Copy – Designed and Implemented programs to copy files from a server to a client using a UDP network connection. Written in C using a Selective Reject algorithm.
pH Monitor – Built a system to control the pH of a solution using a pH probe, servos, and a microcontroller.

Personal:
My Webpage – Uses a linux VPS and Apache to host multiple websites in the cloud. Implements TLS/SSL using Let's Encrypt to provide secure connections. Written in pure HTML and CSS.
Google Play Music Export – Created a way to copy music playlists from Google Play to Spotify using Python. Built a basic web front-end using html and Apache. Designed an IOS front-end using Swift.