Trevor Jones

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Education

California Polytechnic State University, San Luis Obispo   GPA: 3.95   2018 - Present
Bachelor of Science in **Computer Engineering**, expected June 2022
Class level: 2nd year (Senior standing)
Relevant coursework: Data Structures, Computer Design, Circuit Analysis, Electronics Manufacturing

Santa Rosa Junior College   GPA: 4.00   2015 - 2018

Santa Rosa High School   GPA: 4.00 Weighted: 4.68   2014 - 2018

Work Experience

Keysight Technologies | R&D Hardware Engineer Intern   June - September 2019
- Developed automated tests to characterize channel synchronization on arbitrary waveform generators using Python scripts to control instruments over SCPI, analyze data, and generate CSV files
- Created schematics for a high frequency clock fanout circuit

AVID Innovation | Engineering Contractor   January 2019
- Implemented a human-machine interface template for automation equipment in Visual C#

Access Ingenuity | Part-Time Employee   January - December 2018
- Wrote and edited alternate text, accessible transcripts, and other accessible documents

Calix | Systems Test Intern   July - August 2017
- Developed a web-based tool to automate the testing of network devices

Trevor Jones Technical Services   2011 - Present
- Repairing and providing technical support for iPhones, laptops, and other electronic devices

Projects

Cal Poly Supermileage   2018 - Present
- Designing and building a brushless DC motor controller
- Selecting a battery and designing electrical systems for a prototype vehicle

Website Development & Server Administration   2015 - Present
- Developing websites and web apps, including music and photo browsers
- Maintaining web, mail, VPN, and file sharing server applications

Skills

- **Hardware:** Wiring, fine pitch soldering, oscilloscope operation, schematic capture
- **Operating Systems:** macOS, Windows (XP-10), Ubuntu Linux (Server & Desktop)
- **Computer Languages:** C++, C#, Javascript, PHP, HTML, CSS, Python, SystemVerilog
- **Software:** Visual Studio, Vivado, Apache, Samba, SSH, Microsoft Office, Google Docs, Mentor Xpedition

Extracurricular Activities

Cal Poly Symphony   2018 - Present
Cal Poly Swim Club   2018 - Present
Santa Rosa Symphony Youth Ensembles / Santa Rosa High School Orchestra   2009 - 2018
Neptune Swimming / Santa Rosa High School Varsity Swimming   2007 - 2018