

David Clark

Pleasant Grove, Utah
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Skills

- **Programming Languages:** Bash, Python, C, C++, Java, Assembly Language, System Verilog
- **Certifications:** Certified Openstack Administrator, Certified Kubernetes Administrator

Experience

Support Engineering, Canonical Nov 2021-Current
Technical Support Engineer

- Troubleshoot and resolve customer cases in a variety of Ubuntu Linux environments ranging from Desktop, Kernel, Active Directory, FIPS, Kubernetes, and Openstack
- Authored 20+ knowledge base articles based on solutions from customer cases. These articles often resolve future cases either reducing overall case load or allowing another engineer to quickly provide instruction to a customer.
- Lead support of biyearly multiweek Internal Engineering Sprints and events of at least 300 attendees adapting the setup as the venue changed. The scope of requirements for these events increases with each successive event and every time those expectations are exceeded.
- Maintain the greater support teams data lake.

Physics Electronic Support Lab, Brigham Young University Dec 2019-April 2021
Lab equipment specialist Provo, UT

- Repaired damaged and malfunctioning electrical equipment, designed Printed Circuit Boards (PCBs) in Autodesk Eagle

Provo Bicycle Collective Jun 2018-Feb 2019
Assistant Programs Manager Provo, UT

- Coordinated community volunteer opportunities overseeing 10 - 20 bicycle mechanics

Education

Brigham Young University August 2021
B.S. Computer Engineering Provo, UT

- Created Space Invaders from scratch on a Xilinx Pynq board (C)
- Developed a Family Map Server and Family Map Android Client (Java)
- Coded Touchscreen Whack A Mole game, unbeatable tic tac toe, laser tag system (C)
- Ported the File System API as part of a larger project to port Zephyr to the HALucinator Project by writing Python intercept functions (Python and C)
- Created a basic Twitter app using AWS services (Java)

Personal

- <http://davidhansenclark.com/>
- Contributes 3D CAD designs, PCB designs, firmware code, and documentation to a fighting game controller community. <https://ko-fi.com/davysconches>
- Passionate about open source, privacy, self-hosting, 3D printing, engineering, and Linux