
Clayton Christian

Software Engineer

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Denver, CO

[Personal Site](#)

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TECHNICAL PROFILE

Languages: Python, C++, JavaScript, HTML/CSS, Ruby on Rails, Matlab

Platforms: Linux (Ubuntu), QNX, MacOS, Git, Agile

PROFESSIONAL EXPERIENCE

Verb Surgical, Mountain View, CA - *Software Engineer*

Jan 2019 - Jan 2020

Team member of Verily / Johnson & Johnson JV focused on surgical robot development

- Developed C++ CLI to expose operating table diagnostic information. Developed Python infrastructure and scripts that automate CLI, resulting in a more efficient test process.
- Worked on fault injection platform to automate testing the handling of board-level and software faults.
- Implemented Protocol Buffer middleware in Python, opening up a new stream of data for the team.
- Created Flask webserver to query and display robot metrics in real time. Metrics were collected from local system logs as well as live queries, and made available via microservices.

Jacobs Engineering, Indianapolis, IN - *Electrical Engineering and Instrumentation Intern*

May 2018 - July 2018

- Designed electrical schematics for large-scale construction projects utilizing AutoCAD

Indiana University School of Medicine, Indianapolis, IN - *Engineering Intern*

May 2016 - July 2016, June 2017 - July 2017

EDUCATION

Purdue University, West Lafayette, IN - *Bachelor of Science in Electrical Engineering*

Aug 2014 - May 2018

App Academy, San Francisco, CA - *Immersive Fullstack Software Engineering Program*

Aug 2018 - Nov 2018

OTHER

Thru Hiker, Appalachian Trail - *Successful solo hike of 2193 miles from Maine to Georgia*

July 2020 - Nov 2020

Eagle Scout, Boy Scouts of America