

Curtis W. Fenner

Resume: curtisfenner.com/resume

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Education

University of Michigan College of Engineering

Ann Arbor, Michigan. 2014 – 2018

- » Pursuing Computer Science B.S.E.
- » 4.0 GPA — Dean's List
- » **Selected Coursework**
 - » Intro. Operating Systems (current)
 - » Introduction to Computer Security (Winter 2016)
 - » Data Structures & Algorithms (Fall 2015)
 - » Intro. to Math. Analysis (Fall 2015)
 - » Discrete Mathematics (Fall 2014)

Experience

Qumulo — Software Engineer Intern

Seattle, Washington. 2016

- » Wrote C and Python code for distributed filesystem as member of performance team
 - » Developed sharding of deleted file space reclamation to double reclamation rate
 - » Eliminated lock contention in a multithreaded cache to reduce file operation latency
 - » Implemented allocation changes to allow significantly faster metadata operations

Square — Software Engineer Intern

San Francisco, California. 2015

- » Wrote Go and JavaScript as member of public API team
 - » Optimized and refactored public API server to halve latency
 - » Wrote backend code in Go for Square's public API's version two

Projects & Skills

Computer Programming

Programmed for 10 years on many various personal projects and two software engineering internships

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|------|-------|--------------|--------------|
| » Go | » C++ | » Java | » JavaScript |
| » C | » Lua | » HTML + CSS | » Python |

WeBWorK Proof Checker

- » Designed and built a simple automatic proof-verifier for students learning proofs in JavaScript and Perl.
The checker manipulates symbolic representations of mathematical statements and verifies the steps taken in a formal proof.
- » <http://curtisfenner.com/prove>