

Aaron Cutright

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<https://github.com/arcutright>

<https://bitbucket.org/countcutright>

Education

Case Western Reserve University

BS Computer Science

BSE Computer Engineering

Minors: Artificial Intelligence, Mathematics

GPA: 3.59

(Anticipated) May. 2018

(Anticipated) May. 2018

Work Experience

CWRU EECS Department

Cleveland, OH

Circuits Lab Instructor, Grader

Sep 2017 – Present

- Assist students in completing lab assignments
- Instruct students on proper usage of lab equipment
- Grade student assignments

Securable IO

Cleveland, OH

Software Developer

Oct 2016 – July 2017

- Created several integrations for popular web services such as GSuite, Twitter, and Slack
- Optimized MySQL queries for high-volume throughput and created a MySQL load tester
- Created a DNS updating tool in C# for Windows
- Front-end web development using Vue.js
- Back-end development using Ruby on Rails

CWRU Student Affairs IT

Cleveland, OH

Web Content Assistant

Dec 2015 – May 2016

- Developed new JavaScript-based tool for virtual campus tours to replace Flash version and incorporate new features
- Assist professors and students with website issues
- Update content on Student Affairs subdomain

Carnegie Mellon SAFARI Group

Pittsburgh, PA

Intern

Dec 2014 – Aug 2014

- Developed custom power management infrastructure for DRAM
 - Custom board layout in KiCad EDA
 - Custom control and monitoring software for Linux
- Aided graduate students in computer architecture research and development, related to memory technologies for higher stability and quality of service

Languages/Skills

Strong: Java, JavaScript, Ruby, C#, Rails, Verilog

Weak: C++, C, Unity5, Android, Scheme, MySQL, Vue.js, Node.js, Pug, HTML/5, CSS/3, Moodle

Skills: Soldering, modifying electronics, recording, editing, and rendering video and audio, Computer maintenance and repair

Misc Skills: Home remodeling and repair, carpentry, basics of 3D CAD for 3D printing, basic microprocessor and FPGA usage

Relevant/Interesting Courses

Computer Science

*EECS 293 - Software Craftsmanship

EECS 393 - Software Engineering

EECS 444 - Computer Security

MATH 408 - Intro to Cryptology

EECS 345 - Programming Language Concepts

Computer Engineering

*EECS 318 - VLSI / CAD

EECS 301 - Digital Logic Lab (FPGA)

EECS 314 - Computer Architecture

EECS 315 - Digital System Design

EECS 338 - Intro to Operating Systems

* = currently enrolled