Aaron Cutright

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https://github.com/arcutright
https://bitbucket.org/countcutright

Education

Case Western Reserve University **GPA: 3.55**
BS Computer Science (In progress) May. 2018
BSE Computer Engineering (In progress) May. 2018
Minors: Artificial Intelligence, Mathematics

Work Experience

CWRU EECS Department Cleveland, OH
Data Structures TA, Grader *Jan 2018 – Present*
- Lead recitations, office hours to help students
- Assist in managing official course site and email help list
- 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, C#, JavaScript, Ruby, Rails, Verilog

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

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 345 - Programming Language Concepts
EECS 444 - Computer Security
MATH 408 - Cryptology

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