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   (Anticipated) May. 2018
BSE Computer Engineering   (Anticipated) May. 2018
Minors: Artificial Intelligence, Mathematics

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