Aaron Cutright
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https://github.com/arcutright/

Education

Case Western Reserve University
BS Computer Science, BSE Computer Engineering degrees anticipated 2018
GPA: 3.587
Cleveland, Ohio
Dean's High Honors – Spring 2015, Fall 2015, Spring 2016
Dean's Honors – Fall 2014, Fall 2016

Taylor Allderdice High School
Graduated with High Honors in June 2014
GPA 4.41
Honors: National Honor Society, AP Scholar with Honors
Clubs: Crew Team, Math League, FIRST Robotics Team, Debate Team

Experience

Software Developer, *Securable IO*, Cleveland, OH
October 2016 – July 2017
- Created several integrations for popular web services such as Gsuite, Twitter, and Slack
- Created a DNS updating tool in C# for Windows
- Front-end web development using Vue.js and Pug
- Back-end web development using Ruby on Rails
- Optimized SQL queries for high-volume throughput and created an SQL load testing service

Customer Service Associate, *Case Western PE and Athletics Operations*, Cleveland, OH
November 2015 – May 2016
- Assist customers with any concerns or needs at the facilities
- Work as access control at front desk by checking IDs and logging guests

Carpenter's Apprentice, *Marvista Realty*, Pittsburgh, PA
June 2016 – August 2016
- Assisted in the complete restoration of a home originally built around 1900: rebuilt main supports, walls, roofs, floors, and windows

Web Content Assistant, *Case Western Student Affairs IT*, Cleveland, OH
December 2015 – May 2016
- Development of new javascript-based tool for a virtual tour of the campus to replace flash version and to provide new features

Intern, *Zego Robotics*, Pittsburgh, PA
Summer 2015
- Created a web tool for automatic conversion between 2D schematic files and 3D models
- Made several 3D models for various projects, including functioning circuits using conductive printing materials
- Calibrated and performed basic maintenance on 3D printers as well as operated them
- Built small Arduino-based robots and created instructable-style tutorials to be added to a website created for a client

Assistant to General Contractor, *Cutright Contracting*, Pittsburgh, PA
Summer 2003 – Summer 2015
- Aided in the design and construction of several home remodeling jobs, including but not limited to: bathroom and kitchen remodeling, tile work, room additions, fencing, and wall construction

Research Assistant, *Case Western Center for Research on Tibet*, Cleveland, OH
February 2015 – May 2015
- Assisted in the cataloging of information for the Oral History of Tibet project to be transferred to the Library of Congress
- Provided technology support for the research center by diagnosing and repairing issues
- Upgraded computers and improved organizational structure

Intern, *Carnegie Mellon SAFARI Research Group*, Pittsburgh, PA
Spring 2014 – Summer 2014
- Designed custom power management infrastructure for DRAM modules
- Aided graduate students in computer architecture research and development, specifically in the field of memory technology for higher stability and quality of service in computer systems

Actor/Haunt, *Kennywood Theme Park*, Pittsburgh, PA
Fall 2013
- Dressed up in full makeup and/or costume and scared people by taking on the role of a vampire in a haunted house during weekends in the fall

Intern, *Electronic Design Solutions for Industry (EDSI)*, Pittsburgh, PA
Summer 2011 – Summer 2013
- Assisted in the manufacturing and construction process of custom circuitry for clients
- Acted as a quality assurance technician to ensure functionality and reliability of circuits

Head Caddy, *Pittsburgh Bridge Association*, Pittsburgh, PA
Summer 2007 – Fall 2013
- Helped to keep bridge tournaments organized and managed the cards for players during the tournaments
- Worked alongside other experienced caddies and delegated tasks to them
- Managed and instructed inexperienced caddies and taught them how to be effective caddies

Volunteer, *Greater Pittsburgh Community Food Bank*, Pittsburgh, PA
Fall 2008 – Fall 2009
- Created several ceramic bowls to be sold during the Empty Bowls Dinner, a fundraiser for the Greater Pittsburgh Community Food Bank
- Volunteered at the Empty Bowls Dinner itself, where I helped to organize the bowls and acted as an aid to anyone who walked in and had questions

Computer Languages
- Strong: Java, C#, Javascript, Ruby, C#, MySQL, Git, Linux
- Knowledgeable: Rails, Vue.js, C++, Verilog, Unity5.4/5, Node, Pug, CSS/3, Moodle
- Some experience: C, HTML/5, Python, Win32 Internals, PHP, Prolog, ASM for PIC microcontrollers

Other Skills
- Knowledgeable about some aspects of computer architecture and system design
- Proficient with design and manufacturing techniques for printed circuit boards
- Proficient with soldering and modifying electronics
- Experienced with 3D modeling and printing
- Some experience with basic robotics and Arduino-based robots
- Knowledgeable about consumer level computer hardware
- Knowledgeable about A/V equipment usage and maintenance
- Experienced with editing, recording, and rendering videos, images, and audio
- Proficient with structural construction and building tasks, carpentry
- Proficient with home electrical wiring and maintenance

Interests / Activities
- Physical and virtual security research
- Inventing and modifying various electronic devices
- Computer hardware and its underlying architecture
- Several personal programming projects each year (Summer 2008 – present)
- Lead guitarist and treasurer of a local heavy metal band (2008 – Summer 2013)
- Ultimate Frisbee

References available upon request