Jay Harris

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Skills

- Languages: Python, Ruby, Perl, Bash, C#, C++, C, Java,.NET, HTML, CSS, Javascript, SQL, Kotlin, Swift, Django, Flask, Octopus, Ansible, Elasticsearch,Vagrant,Slurm
- Platforms: Linux, Android, Windows, IOS, OSX
- Skills: Mobile Application Development, Server Application Development, Web Application Development, Cloud Application Development, Full-Stack Application Development, Database Administration, Data Analytics, Technical Instructor, TCP/IP, routing, switching, wireless
- Strong leadership, organizational, and communication, multi-tasking skills

EDUCATE

University of Alabama at Birmingham   Birmingham, AL

Bachelor of Arts and Science   May 2017
- Major: Computer Science

Experience

UAB (University of Alabama at Birmingham)   Birmingham, AL

Lab Assistant   May 2017 - Current
- Responsible for implementing a GATK workflow for the purpose of sequencing diploid and haploid organisms within a shared computing cluster(super-computer) using scripting language such as python, bash, perl, and slurm.

- Responsible for interpreting the architectural needs, development, and deployment of an solution based on genetic researchers needs, then integrating with existing applications, systems, or platforms to develop a high throughput sequencing engine for genetic discovery.

TEALS (Technology Education and Literacy in Schools)   Birmingham, AL

Tech Professional   August 2016 - March 2017

- Teach programing concept(Java/Python) and skills to high school students
- Develop multiple teaching methods for various students learning styles

Tech Alabama   Birmingham, AL

Lead Instructor   February 2015 - January 2016

- Develop, advise and aid a programing curriculum(Java/Python) for +100 members in the birmingham and surrounding area.

Ingrid & Trussville Gymnastic   Birmingham, AL

Consultant   February 2016 - Current

- Develop and advise the construction(Wordpress/Linux Administration) of the entire company website and content partially responsible for increasing membership.

Director Point   Birmingham, AL

Consultant / Contractor   February 2015 - January 2016

- Developed new functionality(HTML/CSS/Javascript/Node/SQL) for the company's flagship product while contributing to existing documentation, fixing bugs, logical inconsistencies and refining existing procedures.

Influence Health   Birmingham, AL

Junior Software Developer   July 2015 - October 2015

- Developed internal fullstack webapps(bash automation/Octopus/ Ansible/ Elasticsearch/python/ruby/node) using micro services principles that helped healthcare providers engage patients in a personalized way, for impactful outcomes.

Intermark   Birmingham, AL

Junior Software Developer / Intern   June 2014 - December 2015

- Developed internal applications(HTML/CSS/Javascript/Node/C#/.NET) to aid in organizing future events
- Developed a redesign of UPS mobile application for both IOS and Android
- Developed fullstack websites for multiple clients advertisement campaign including SouthEast Toyota

University of Alabama   Birmingham, AL

Junior Software Developer / Researcher   June 2013 - January 2016

- Developed IOS/Android Application Cancer Resources (Java/C#/Phonegap)
- Developed IOS/Android Application PEACE-P/PEACE-M/APEC Guidelines (Bash/Java/C#/Phonegap)
- Developed IOS/Andriod Application Pediatric Dental App(Java/C#/Phonegap)
- Developed IOS/Andriod Application MAXX Bus Routes(Java)
- Developed Desktop Application MailParser (Java)

Highlights

Facebook's Capture The Flag Competition Winner 2014

UAB ACM Chair 2014 - 2015

Datafest Hackathon Winner 2015

Smart City Hackathon Finialist 2016

Code Sprint Finalist 2016

Affiliations / Organization

Code for Birmingham 2014

Code for America 2014

Code.org 2016

Birmingham Venture Club 2015

UAB Entrepreneurs Club 2015

UAB Innovation Lab 2014

Red Mountain Makers 2013

Birmingham Open Source Software 2014