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

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| University of Alabama at Birmingham | Birmingham, AL |

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| Bachelor of Arts and Science | May 2017 |

#### Major: Computer Science

## Experience

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| UAB ( University of Alabama at Birmingham ) | Birmingham, AL |

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| 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.

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

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| 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

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| Tech Alabama | Birmingham, AL |

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| Lead Instructor | February 2015 - January 2016 |

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

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| Ingrid & Trussville Gymnastic | Birmingham, AL |

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| Consultant | February 2016 - Current |

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

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| Director Point | Birmingham, AL |

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| 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.

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| Influence Health | Birmingham, AL |

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| 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.

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| Intermark | Birmingham, AL |

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| 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

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| University of Alabama | Birmingham, AL |

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| 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)

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| Highlights | Affiliations / Organization |
| Facebook’s Capture The Flag Competition Winner 2014 | Code for Birmingham 2014 |
| UAB ACM Chair 2014 - 2015 | Code for America 2014 |
| Datafest Hackathon Winner 2015 | Code.org 2016 |
| Smart City Hackathon Finialist 2016 | Birmingham Venture Club 2015 |
| Code Sprint Finalist 2016 | UAB Entrepreneurs Club 2015 |
|  | UAB Innovation Lab 2014 |
|  | Red Mountain Makers 2013 |
|  | Birmingham Open Source Software 2014 |