

Laurence Wingo

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Summary

Open source and open education developer in pursuit of writing software focusing on artificial intelligence through the use of intelligence agents to simplify human complexities or to extend human life expectancy. Adept to a theoretical overview of open source and open education which grants the opportunity for technical influence from solving problems with data. As a contributor to innovation, I look forward to connecting with your institution to solve problems using an analytical perspective. I have knowledge in object oriented programming and in the interdisciplinary science of human learning & development.

Career Experience

Georgia Bureau of Investigation | Atlanta, Georgia | March 2021 - Present | **Training and Development Specialist**

- Conducted an analysis of both qualitative and quantitative technical data to measure the effectiveness of computer based training.
- Contributed to innovative computer based training solutions in an accurate and timely manner to lead criminal justice and non-criminal justice agencies across the state of Georgia to uphold the constitutional rights of the public and their safety.
- Justified the use of educational theory and cognitive theory to establish teacher/training like environments to instruct criminal justice personnel on the use of applications within the Georgia Crime Information Center and the FBI's National Criminal Information Center.
- Gained professional interdisciplinary knowledge and experience with open architecture software as well as computer networking protocols related to message switching.

Opportunity Hub | Atlanta, Georgia | May 2020 - March 2021 | **Data Analytics Team**

- Initiated Culture of Work meetings in a timely manner for the Momentum@Morehouse Coding Program through the use of Zoom.
- Analyzed database records and public profiles based on requests from OHUB related to the membership applications area of the business.
- Delivered analytical data to the OHUB team to develop innovative marketing solutions which would provide the most impact.

Code Ninjas | Atlanta, Georgia | June 2019 - February 2020 | **Children's Coding Instructor**

- Administered discovery based learning for educating youth using interdisciplinary concepts in computational thinking, software engineering, and assistance with identifying dead code.
- Maintained relevance to each student's personal interests while students verbally explain code snippets to reinforce traceability skills in writing code and identifying errors.
- Supervised 7-15 students followed by documenting reports for the Assistant Director as well as parents to assist with interpreting cues of each child's cognitive progression with learning materials outside of the dojo.

Digital Learners to Leaders and Panther Hackers | Atlanta, Georgia | August 2018 - July 2020 | **Assistant Coding Instructor**

- Introduced a classroom of 40+ students to computer science concepts using augmented reality and 2D game development platforms such as CoSpaces and Unity over a consecutive two-month period.
- Initiated and co-founded the Panther Hackers iOS Workshop for 20+ students to advance computer science knowledge and theory with mobile development on Apple platforms using Swift.
- Curated an iOS development curriculum to introduce students to various frameworks for development such as Networking, Google Firebase, BlueTooth, and UIKit.

Georgia Department of Public Safety | Atlanta, Georgia October 2018 - January 2019 | **Programmer Analyst**

- Gained an understanding of ASP.NET and C# by learning from the development of an iOS and Android application, See Something Send Something application which connected to a Windows 2008 SQL server.
- Maintenance of enterprise and public facing internet applications written in ASP.NET.
- Provided website development and content management for outward facing web applications of various departments.

Stanley Black & Decker | Atlanta, Georgia May 2017 - November 2017 | **Internet of Things Quality Assurance**

- Provided Bluetooth quality assurance support for Tool Connect which is an internet of things application connecting to DeWalt power tools using a GPS location API.
- Designed, implemented, and executed manual testing cases for Bluetooth proximity sensors, interface designs, and internationalization functionality.
- Expanded end-to-end test coverage accounting for iOS software edge cases and collaborated with software developers to ensure proper error handling was in place.

Turner Broadcasting | Atlanta, Georgia August 2012 - May 2015 | **Webmaster**

- On-call support debugging code by adopting tools such as Charles Proxy to inspect advertisements written in hypertext markup languages.
- Identified malicious URLs as well as inspected cookies and their caching problems which lead up to negative user experiences.
- Achieved maximum consistency until all technical standards were adhered to with 100% accuracy by conducting end-to-end exploratory testing and functional testing across multiple devices, browsers, and emulators.
- Resolved complications in a timely manner by communicating technical issues to liaisons in ads sales teams by providing a thorough stack trace and replicable process.

Office of Information Technology at Georgia State University | Tucker, Georgia January 2009 - August 2012 |

Jr. iOS Developer and Webmaster (Student Worker)

- Developed from start to finish an iOS mobile application that uses Core Location to help students, faculty, and staff find events on campus in real-time.
- Improved the Office of Information Technology's Drupal content management system using HTML, CSS, JavaScript, and PHP.
- Authored and presented instructional training modules to be utilized by faculty.

Georgia Bureau of Investigation | Atlanta, Georgia January 2007 - October 2009 | **GCIC Specialist**

- Managed server operating systems for Lems/JX switch data network connecting computers, mobile devices, and biometric scanners.
- Assisted state agencies by utilizing a command line interface to migrate software for conducting background checks.
- Eliminated criminal crime history backlog for digitizing requests to add, delete, and modify criminal histories.

Current Projects

Gets the Picture, LLC Atlanta, Georgia | November 2009 - Present | ***Open Source and Open Education Developer***

- Designing open source software using Python 3.7, JSON, and Swift 5.1 for a preventive coronary heart disease application called “Delicious Desk”.
- Delicious Desk provides a visual data analysis of nutrient information of restaurant menu items to simplify takeout purchasing decisions in exchange for longer life expectancy and to reverse heart disease which causes 30 million premature deaths in the United States.
- Contributed to upfront planning of software architecture which incorporates a Google Cloud database tool for a NoSQL database design to hold large datasets while also taking advantage of RESTful API integration from the United States Department of Agriculture.
- Utilized python packages to scrape the food item information from restaurant menus by targeting restaurant websites to produce statistical data analytics of the most nutritious restaurant closest to the user.
- Trained over 80 students on how to use Xcode for iOS development with a focus on MapKit, Core Location, Core Bluetooth, and UIKit.
- Volunteer of the neurology intensive care unit at Wellstar Health System in Atlanta which is a level 1 trauma center to make the observation that over 80% of stroke patients in the unit suffered from underlying heart disease conditions which lead up to the use case for DeliciousDesk.com.

Degrees and Awards

Bachelor's of Interdisciplinary Science in Human Learning and Development, Georgia State University

Graduated August 11th, 2020

Associate's of Science, Georgia State University

Graduated August 7th, 2018