Emmanuel **Amponsah**

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Education

Boston University   *Boston, MA*
B.A. in Computer Science   *Sept 2017 - May 2021*
- Clubs: BostonHacks(Head of Logistics), MakeBU(Treasurer), OpenWeb

Experience

Fidelity Investments   *Westlake, TX*
Technical Intern, Software Engineer - Platform Engineering Team   *May 2018 - Aug 2018*
- Developed Python tools to improve tag enforcement on resources in the cloud by automating checks and terminating out of compliance resources
- Implemented monitoring tools in Python for Fidelity's cloud services to facilitate logging, and maintenance of resources

Boston University, Clinical and Translation Science Institute   *Boston, MA*
Research Assistant, Bioinformatics - openSESAME Team   *Sept. 2017 - Pres*
- Programmed algorithms in C and Python to identify and curate gene expression signatures from publicly available databases
- Improved annotation system by programming Python scripts to automate the process of checking for errors

iCode Inc   *Frisco, TX*
Senior Lab Mentor, Lead   *Oct 2015 - Jun 2017*
- Taught and mentored iCode students about CS fundamentals through various lessons using Python, Java, JavaScript, HTML/CSS, Alice, and Scratch
- Piloted applications in Java and JavaScript for iCode's attendance system, utilizing the Salesforce API

Projects

Grumble   *Go*
Building a blog engine in Go, that allows users to spin up blogs. Uses a built-in storage system also written in Go

Insight   *C++*
Developed a belt to help those with vision impediments navigate new terrains.
Implemented algorithms for tracking changes in elevation and object detection using C++.

Cint   *C++*
Lightweight Big Integer library written for C++

Skills

Programming: Java, C++, Python, Go, SQL
Tools: Adobe XD, Android Studio, AWS, Git, JetBrains Suite, Jira, Linux, Mercurial, MongoDB, MySQL

Awards

2016	**2nd Place**,	HackDFW	*Dallas, TX*
2016	**2nd Place**,	IoT Entrepreneur Hackathon	*Farmers Branch, TX*
2017	**1st Place**,	Rose-Hulman Institute of Technology, Autonomous Car Competition	*Terre Haute, IN*