STEFON MILLER

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EDUCATION

2015-Present **University of Pittsburgh**
Bachelor of Science, April 2021
3.68 GPA

COURSEWORK/SKILLS

- Data structures, Discrete Structures, Assembly, Operating Systems, Formal Methods, Algorithm Implementation, and Website Development
- Experience with Java(6 yrs), Python, C, x86 Assembly, HTML/CSS/JS, JQuery, Android SDK, and Lua
- Able to coordinate/communicate with others towards a deadline or goal
- Experience in communicating technical details to customers in a comprehensive manner
- Extensive experience and knowledge of computer hardware

WORK EXPERIENCE

09/2019–Present **Technical Consultant, University of Pittsburgh**
- Resolved issues regarding software installation and network connection. Preformed disk formatting and OS installs, as well as hardware diagnostics. Communicated issues with customers face to face and explained the steps needed to work towards a solution.

PROJECTS

Fall 2019 **Redeemable Code Database**
- Utilized Google Sheets API for Python to connect to an online database of redeemable codes. Created a front-end with PyQT framework and distributed program among friends

Summer 2019 **Graph Representation of a Computer Network**
- Created an edge weighted digraph to represent a computer network with multiple nodes and connections between said nodes with weights representing latency. Implemented shortest path, minimum spanning tree, distinct path, and weight change algorithms for the graph.

Summer 2019 **Hybrid Trie Symbol Table**
- Created a De La Briandias trie that switches to a multiway trie after enough branches are created to warrant the space requirements of a multiway trie. Enables storage of strings with fast lookup times and minimal memory overhead