PHILIP AQUILINA

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EDUCATION

Rutgers University
Major: B.S. Computer Science, GPA: 3.1 / 4.0   Graduated May 2020
Minors: Psychology, Entrepreneurship
Relevant Coursework: Data Structures | Computer Architecture | Discrete Mathematics | Linear Algebra | Software Methodology | Design and Analysis of Computational Algorithms | Introduction to Database Management | Principles of Programming | Internet Technology | Linear Optimization

STRENGTHS & QUALIFICATIONS

Programming: Java | C | Python | CSS | HTML | Javascript | JSP | Assembly Machine Language | Haskell | Prolog | DBMS | MySQL
Applications: Microsoft Office Suite | Git | MatLab | Eclipse | Atom | Sublime | Bootstrap | Unix Shells | XML | Android Studio | AWS

PROJECTS

Multi-Threaded Web Server
• Developed a multi-threaded server that utilized HTTP messages to send requested files to clients in Java.
• Displays the requested file in the client's browser and simultaneously downloads it.

Cache Simulator
• Created a program in C that simulated an L1 Cache that utilized a first-in first-out replacement policy (FIFO).
• Leveraged knowledge of caches in order to implement calculations for mappings and added prefetch functionality to increase runtime.

Document Uploader
• Created a server and client application in Java that allows a user to upload a document to a server through byte streams.
• Utilized Swing to construct a client-side GUI that allows users to easily connect and upload.

Plane Reservation System Database
• Designed a responsive GUI with javascript and a database in AWS.
• Contributed to the creation of clients and client functionality (reserving a ticket, cancelling a flight, changing accommodations).

EXTRA CURRICULAR ACTIVITIES

Treasurer - Alpha Delta Phi Fraternity

Tutor - Rutgers Collaborative Academic Versatile Environment