Taha Ahmad

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Objective

Dedicated straight-A University of Pittsburgh computer science student looking to bring effective problem-solving, programming, and communication skills to a software engineering internship.

Education

University of Pittsburgh, Pittsburgh Pennsylvania   2020-Current
B.S in Computer Science, expected date of graduation, May 2023   **GPA: 3.97/4.00**

Commonwealth Charter Academy   2011-2015
Graduated with high school diploma, June 2015   **GPA: 4.00/4.00**

Relevant Coursework

Data Structures and Algorithms 1 and 2	Software Engineering
Software Quality Assurance	Operating Systems
Introduction to System Software	Discrete Structures for Computer Science
Computer Organization and Assembly Language	Applied Statistical Methods

Software Projects

Geographical Social Recipe Sharing Web Application

As part of a group project, currently creating a social location-based recipe sharing web app that allows users to create an account and post and browse recipes from around the world on an interactive map using an HTML/CSS, Bootstrap, and JavaScript frontend, and Python Flask and Google Cloud Datastore backend.

File System, C

Tasked with creating a FUSE file system in Linux using C that implements common file system operations such as creating folders and files and reading/writing to arbitrary bytes of a specific file, project completed successfully, on-time, and with all requested features.

Memory Manager, C

Charged to develop a dynamic memory manager providing the same functionality as malloc() and free(), successfully blueprinted and programmed a time and space efficient solution using a doubly linked list to keep track of unallocated areas of the heap.

Crossword Solver, Java

Assigned project with specifications to solve arbitrarily sized crossword boards with both fixed and solid squares given a dictionary of words, designed and implemented an efficient backtracking algorithm that fulfilled all requirements on-time and bug-free.

Project Repositories Available upon Request

Skills

Programming

Well-versed with Java, C, HTML/CSS, and Git
Familiar with Python, JavaScript, Flask, Bootstrap, JUnit, C++, x86 Assembly, and MIPS Assembly

Other

Linux, Unit Testing, Agile, TDD/BDD approaches, Technical Documentation, Microsoft Office Suite, Communication, Data Analytics, Teamwork, Learning Quickly

Spoken Languages

Fluent in English, Urdu/Hindi, and Punjabi