Arjun Athian

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Current Address: 1256 Progress St. NW 5300J-C Blacksburg, VA 24060

Permanent Address: 449 Dogwood Valley Dr. Collierville, TN 38017

Objective

To obtain a summer 2021 internship in the field of Computer Science.

Education

B.S. Computer Science| Virginia Tech | GPA: 3.24 | Expected Graduation: May 2022

Relevant Coursework: Data Structures and Algorithms, Cloud Software Development, Computer Organization

Experience

Undergraduate Researcher at Virginia Tech ECE Department   *June 2020 - Present*
- Conducting research on creating a remotely accessible and affordable antenna range to measure antenna patterns for educational use
- Developing web interface for easy remote access for launching experiments and displaying data of past experiments on antenna range
- Designing the frontend aspect (HTML, CSS, JavaScript) for the antenna range website and utilizing CGI-scripting and MongoDB

RFP Document Shredder Project for IT company CGI   *January 2020 -May 2020*
- Worked on a team with other students and corporate mentors from CGI to create a text mining tool that would analyze request for proposal (RFP) documents
- Created a GUI that takes RFP file uploads and a web scraper that extracts RFP data in python
- Utilized robotic process automation tool UiPath to analyze and highlight relevant information in RFPs for hundreds of RFP pages

Wind Turbine Project   *January 2019 - May 2019*
- Directed the development of a wind turbine that met specifications from instructor on a multidisciplinary engineering design team
- Used SolidWorks to plan and illustrate potential designs for the turbines
- Implemented MATLAB functions to plot and graph data to determine ideal wind turbine design

Skills and Technologies

Proficient: Java, Python, C, HTML/CSS, MATLAB, Git, GitHub, Microsoft Word, Excel, PowerPoint

Intermediate: JavaScript, Angular, NodeJS, ExpressJS, MongoDB

Familiarity: SolidWorks, x86 Assembly, MIPS Assembly, UiPath

Leadership and other Activities

Student Government Association (SGA) – *at-Large Representative*   *November 2018 – present*

Phi Delta Theta Fraternity – Member   *September 2019 - present*

IScholars Professional Development Program - *Member*   *August 2019 – August 2020*

YMCA Leaders' Club – *Vice President*   *August 2014-May 2018*