ARSH SIDDIQUI

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PURPOSE: SEEKING AN INTERNSHIP IN OR RELATED TO THE FIELD OF COMPUTER SCIENCE.

SKILLS

Programming Languages
Java   Python
JavaScript   HTML
CSS   C

Others
Microsoft Office (Word, Excel, and PowerPoint)
Problem Solving/Puzzles
Writing
B1 Level French
History
Harmonica
Tennis.

CERTIFICATES

Microsoft Office Specialist

Microsoft Cybersecurity Fundamentals

Google Fundamentals of Digital Marketing

OTHERS

Designer for the VT Fashion Merchandising and Design Society

Housing Board at West AJ in VT

Web Development; Entrepreneurship; IEEE (Institute of Electrical and Electronics Engineers) Clubs at VT

Summer Enrichment Program (At UVA, Curry School of Education) focused on Social Media (Twitter) and Sociology

Odyssey of the Mind (competed in the international competition)

First Lego League Robotics

EXPERIENCE

IBM Accelerate Program   **Since June 2022**
Software Track   *Remote*

- **Work:** Learning about software development methods through weekly lessons and project-based work with IMB employees.
- **Projects:** To do list involving ReactJS/HTML/CSS.

Mind Music Machine Lab   **Since May 2021**
Undergraduate Research Assistant   *Blacksburg, VA*

- **Project:** Researching audio in Augmented Reality (AR) environments in Human-Computer Interaction under Prof. Myounghoon Jeon.
- **Tasks:** Reviewing Audio AR papers from the Association for Computing Machinery (ACM), a database of international research papers, and creating a taxonomy to define Audio Augmented Reality. Analyzed and summarized the Python code of a startup ARx's headsets that involved Machine Learning and TensorFlow. Interviewed students and professionals in the fields of AR and audio for their understanding of Audio AR. Currently working on a method to convert an image into music, based on its characteristics, using Python and Jython.

Personal Projects (https://github.com/ArshSiddiqui)

- **Stock Analysis (Work In Progress):** Analyzing stock trends and valuation with Python and Pandas. Currently working to develop a command line based stock watchlist.
- **Limbousine:** Ride sharing to the nearest middle of nowhere with API usage and HTML/CSS/JavaScript.
- **Edgar Allen Poe-try:** Language models with statistical analysis methods (using trigrams) in Python used to create randomly generated poetry based upon Edgar Allen Poe's writings.
- **Breakdancing or Falling Over:** Quiz involving JavaScript/HTML/CSS.
- **The Onion or Not:** Webtoy involving JavaScript (JSON)/HTML/CSS.

EDUCATION

Virginia Tech   **To graduate in May 2024**
B.S. Computer Science (CS) with a Minor in Economics   *Blacksburg, VA*

- **GPA:** 3.93
- **Classes:** Software Design and Data Structures (Java); Problem Solving in CS (Python); Computer Organization (C); Python; Microeconomics; Macroeconomics; Principles of Accounting; Public Speaking; Foundations of Engineering; Calculus1/2/3.
- **Projects:** COVID-19 Data Visualization (Java); Wind Turbine Design/Development (MATLAB)