

Ali Yeganeh

703-395-5774 | aliyeganeh@vt.edu | 2137 Frank St, Vienna, VA 22182

EDUCATION

Virginia Polytechnic Institute and State University (Virginia Tech)

Blacksburg, VA

Bachelor of Science in Computer Science expected

Aug. 2019 – May 2023

- GPA: 3.88/4
- Relevant coursework: Software Design, Problem Solving in Computer Science, Computer Organization, Data Structures and Algorithms, Software Engineering, Data Analytics/Visualization, Comparative Languages, GUI Programming (i.p.), Machine Learning (i.p.), Data and Algorithm Analysis (i.p.)

SKILLS

Languages: Java, Python, C, C++, SQL, MIPS; some JavaScript, HTML/CSS

Frameworks: Spring Boot, JUnit, Mockito; some Node.js, React

Developer Tools: Git, Amazon Web Services, Maven, Linux, Visual Studio Code, Jupyter/Anaconda, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib

Other: Scaled Agile Framework (SAFe) Certified Practitioner

EXPERIENCE

Co-Op Software Engineer

Jan. 2022 - May 2022

Peraton

Blacksburg, VA

- Supported development of Internal Research and Development project on a Lean-Agile team with 3 other developers
- Deployed AWS CloudFormation templates to automate creation of AWS resources required for the application, such as SQS queues, lambda functions, DynamoDB tables
- Designed initial endpoints, resources and attributes, and architecture of a REST API for the web application back end
- Created and tested API back-end using Spring Boot, Maven, and JUnit/Mockito
- Added functionality to React front-end as needed for integration with the back-end API

Undergraduate Teaching Assistant - CS 2104

Jan. 2021 – May 2021

Virginia Tech Department of Computer Science

Blacksburg, VA

- Assisted instructors in grading and administration of in-class assignments for an introductory problem solving course
- Held weekly office hours and monitored Piazza forum posts to help students better understand course material, including subjects like Python, Git version control, SQL, human-computer interaction, UI/UX design, data analytics, networking, and basic machine learning
- Provided feedback to instructors about the course based on experience in the course and interactions with students

PROJECTS

Coronavirus Data Visualization Tool | *Java, JUnit, Git*

- Parsed input data from covidtracking.com into a linked list sorted by state and race/ethnicity
- Implemented sorting algorithm to effectively organize data by case-fatality ratio (CFR) and race
- Created visualization graph for data, with buttons to change state and sort by race/CFR

Tic Tac Toe Web Application | *JavaScript, React, HTML, CSS*

- Designed a classic tic-tac-toe game using React.js for visual design
- Implemented a “move history” feature, which gives players the ability to “rewind” their board to a previous state