

Austin Saehaan

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Education

VIRGINIA COMMONWEALTH UNIVERSITY: COLLEGE OF ENGINEERING

Bachelor of Science degree in Computer Science

Member of Vietnamese Student Organization

Richmond, VA

May 2022

Skills

Programming Languages: Java, MySQL, PHP, Python, C, Android Studio • HTML, CSS, JavaScript

Frameworks: React, Bootstrap, JUnit, pytest, unittest

Management Tools/Other: Git, GitHub, Jira/Atlassian, AWS EC2, JSON, XML, Mockito

Projects

VCU COURSE OVERRIDE REQUEST MANAGEMENT SYSTEM

- Boosted the productivity of CS department faculty by reducing unnecessary interactions with students, resulting in a minimum time savings of 2 hours per day
- Streamlined the workload of student advising staff by automating the emailing process of course override requests
- Elevated the quality of interactions with students requiring assistance beyond the scope of the management system
- Utilized Google Apps Script, including Google Sheets, Google Forms, and Gmail, and implemented using HTML, CSS, and JS

TWITTER SENTIMENT ANALYZER

<https://github.com/saehaana/cmsc416>

- Achieved a 70% accuracy rate for tweet prediction, surpassing the class average of 62%
- Developed a machine learning model that accurately classifies the sentiment of tweets as either positive or negative
- Implemented a bag-of-words representation of training data using a supervised machine learning approach
- Coded in Python, using a corpus generated from a collection of random tweets on Twitter

VALORANT MATCH TRACKER

<https://github.com/saehaana/Valorant-Match-Tracker>

- Created a fillable form for user data and implemented various filters to assist players in visualizing their in-game performance
- Developed a secure login system to protect information associated with user accounts
- Expertise in full tech stack including: RDBMS: MySQL, Back-end: PHP, deployment to AWS, hosting with Apache web server, and Front-end: HTML, CSS

SHOGI TESTER

<https://github.com/saehaana/Shogi-Tester>

- Demonstrated various testing techniques on a command line Shogi game, forked from a public repository
- Evaluated base/each-choice coverage using Python's unittest framework to monitor piece movement and board size
- Attained 100% code coverage through the implementation of all-uses coverage method

Experience

WOODBURN ENDOSCOPY CENTER

Medical Receptionist

Annandale, VA

Jan 2021 – Feb 2022

- Assisted anesthesiologists and doctors in pre-operative procedures for colonoscopies and upper endoscopies, resulting in a reduction of roughly 30 minutes per patient in total procedure time
- Eased the workload of medical assistants and front desk staff by taking on additional responsibilities, enabling other receptionists to fully focus on their primary tasks
- Carried out a screening protocol for COVID-19 symptoms to identify positive patients before entry, resulting in the detection of a minimum of 5 positive cases per month