Austin Saehaan

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Education

VIRGINIA COMMONWEALTH UNIVERSITY: COLLEGE OF ENGINEERING   Richmond, VA
Bachelor of Science degree in Computer Science   May 2022
Member of Vietnamese Student Organization

Skills

Programming Languages: Java, MySQL, PHP, Python, C, Android Studio • HTML, CSS, JavaScript
Test/Mock Frameworks: Mockito, jUnit, pytest, unittest
Management Tools: Git, GitHub, Jira/Atlassian, SourceTree

Projects

VCU COURSE OVERRIDE REQUEST MANAGEMENT SYSTEM

- University capstone project sponsored by the College of Engineering's Computer Science department
- Reduced student advising staff workload by automating the emailing process of course override requests
- Improved productivity of CS department faculty by minimizing unneeded interactions with students, saving at least 2 hours per day
- Enhanced quality of interactions with students that needed help outside the management system's scope
- Implemented within Google Apps Script, specifically Google Sheets, Google Forms, and Gmail using HTML, CSS, & JS

TWITTER SENTIMENT ANALYZER
https://github.com/saehaana/cmsc416

- Developed a machine learning model that classifies whether a tweet leans more positive or negative in sentiment
- Constructed a bag-of-words representation of training data that takes a supervised machine learning approach
- Predicted tweets with overall 70% accuracy, surpassing the class average of 62%
- Coded in Python with a corpus created from random tweets on Twitter

VALORANT MATCH TRACKER
https://github.com/saehaana/Valorant-Match-Tracker

- Developed a fillable form for user data and separate filters to help players visualize their in-game performance
- Created a login system to secure information associated with the user's account
- Simplified UI clutter by only displaying relevant information
- Tech Stack – RDBMS: MySQL | Back-end: PHP | Deployed to AWS and hosted by Apache web server | Front-end: HTML, CSS

SHOGI TESTER
https://github.com/saehaana/Shogi-Tester

- Showcasing of different testing techniques on a command line Shogi game forked from a public repository
- Tested base/each-choice coverage by using Python's unittest framework to track piece movement and board size
- Achieved 100% code coverage utilizing the all-uses coverage

Experience

WOODBURN ENDOSCOPY CENTER   Annandale, VA
Medical Receptionist   Jan 2021 – Feb 2022

- Assisted anesthesiologists and doctors with pre-op for colonoscopies/upper endoscopies which reduced total procedure time by roughly 30 minutes per patient
- Alleviated workload of medical assistants and front desk by undertaking additional responsibilities, allowing other receptionists uninterrupted focus on their core tasks
- Screened patients for covid symptoms prior to entering, detecting at least 5 covid positive patients monthly