# 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
**Frameworks:** React, Bootstrap, jUnit, pytest, unittest
**Management Tools/Other**: Git, GitHub, Jira/Atlassian, SourceTree, 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**  Annandale, VA
**Medical Receptionist**  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