

Ausawin Saehaan

saehaana@gmail.com • 703-336-9063 • github.com/saehaana • linkedin.com/in/saehaana/

Education

Virginia Commonwealth University

Bachelor of Science degree in Computer Science
Member of Vietnamese Student Organization

Richmond, VA
May 2022

Experience

Woodburn Endoscopy Center Health IT Associate

Annandale, VA
Jan 2021 – Feb 2022

- Reduced IT support dependency by 40% yielding a monthly savings of \$300 by mastering the medical receptionist tech stack
 - Fortified network uptime for administrative systems through troubleshooting hardware compatibility and cable installations, resulting in a monthly savings of over \$1000
 - Decreased total procedure time per patient by up to 45 minutes through effective collaboration with anesthesiologists and doctors in pre-operative procedures for colonoscopies and upper endoscopies
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Projects

VCU Course Override Request Management System drive.google.com/22-CS305

Aug 2021 - May 2022

Yearlong Capstone project in collaboration with VCU's Computer Science Department and other software developers founded to solve concerns with online student class signups

- Showcased program demos to 100+ Fortune 500 representatives, Design Expo judges, Dean's College of Engineering faculty, and the public over the span of 2 days at Stuart C. Siegel Center for the 2022 Capstone Design Expo
- Boosted the productivity of undergraduate admissions staff and advisors by automating the emailing process of course override requests, saving employees at least 40 hours monthly
- Elevated efficiency of student meetings by incorporating automated responses within the emailing process from 30 to 15-20 minutes per meeting
- Contributed weekly deliverables and communicated status updates on feature development to sponsors at a 94% success rate

Personal Website

Jan 2023

saehaana.io

React app about me and my work hosted using GitHub Pages

- Built the automated CI/CD pipeline through the use of GitHub Actions, resulting in over 70 successful workflow deployments
- Developed responsive page layouts using react-bootstrap, allowing content to fit dimensions from standard 1920x1080 resolution web browsers down to iPhone SE 375-pixel widths
- Implemented scroll-triggered animations and server-side rendering for better user experience through the use of Framer Motion and Material UI libraries

Valorant Match Tracker

May 2021

github.com/saehaana/Valorant-Match-Tracker

Full stack web application where registered users can track profile and weapon statistics from their game match history

- Designed entity-relation diagrams and relational models to visualize and flowchart table attributes
 - Checked for functional dependencies and normalized SQL tables into BCNF and 4NF forms to ensure production level data quality
 - Created a fillable form for user data and implemented various filters to assist players in visualizing their in-game performance
 - Developed login system security features to prevent SQL injections and protect information associated with user accounts
 - Tech Stack - RDBMS: MySQL, Back-end: PHP, deployment to AWS, hosting with Apache web server, and Frontend: HTML, CSS
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Programming Languages: Backend | Python, Java, C, MySQL, PHP • Frontend | JavaScript, HTML, CSS

Frameworks: React.js, Bootstrap, Mockito, JUnit, pytest, unit test

Management Tools/Other: Agile/Scrum, AWS EC2, Git, CI/CD, Jira/Confluence, npm, Framer Motion, Material UI, Linux/Windows