CHARLES VU

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EDUCATION

Bachelor of Science in Computer Science & Software Engineering, GPA: 3.5   **December 2023**
Univeristy of Washington, Bothell WA
Honors: Elected Chair of Student Technology Fee Committee, Dean's List 2019, 2020 & 2022

TECHNICAL SKILLS

Front End: React, Javascript, HTML, CSS, styled-components
Back End: Java, C++, Python, PostgreSQL, MySQL, R, Assembly
Tools: Git, npm, Firebase, Bootstrap, Visual Studio, Figma, Miro, Lucidchart, Canva

PROFESSIONAL EXPERIENCE

FrontEnd Developer Intern | ARC Security | Seattle, WA   **Oct 2022 - Dec 2022**

ARC Security Mobile Application FrontEnd & Website's Data Dashboard   JavaScript | React | HTML | CSS | npm | Figma

- Conducted extensive research and evaluation on **270** real estate agents and broker to identify client expectations
- Executed client feedback reviews and develop interfaces for ARC Security Mobile App with increased functionality and optimized customer experience; achieved **83%** customer satisfaction rate
- Developed Data Dashboard for ARC Security Website with all necessary components based on research & client requirements, resulting in **92%** user satisfaction rate.

Club Council Treasurer | University of Washington | Bothell, WA   **Jan 2022 - Present**

Manage, monitor, and allocate Club Council's annual budget of $100,000   MyFD | Data Analysis | Canva

- Supported over **65 clubs** for event planning, recognition and training; achieved an event success rate of **100%**
- Managed and allocated funding for Club Council sponsored events, promotional items & merch to engage **1400+ students**, contributing to a **50%** increase in overall campus engagement.
- Streamlined Club Council's internal processes, revised policy proposals based on feedback from student input and championed efforts to garner stakeholder support, culminating in **70%** improvement of internal processes

Software Engineering Intern | CMC Technology & Solution | Hanoi, Vietnam   **June 2020 - Oct 2020**

Image Processing Application & Mobile Application Prototype   Python | React | Bootstrap | Project Management

- Integrated OpenCV library and Optical Character Recognition (OCR) with the existing technology stack to support extracting & analyzing objects from images for advanced search applications, increasing recognition accuracy by **30%**
- Delivered initial mobile application demo on-time with **95%** accuracy & usability rate amongst stakeholders
- Developed sprint milestones with program manager to accelerate project completion by **20%**

Undergraduate Teaching Assistant | University of Washington | Seattle, WA   **Jan 2020 - June 2020**

Technical Foundation for Data Science   R | Shiny App | Git | API | Data Manipulation | Data Visualization

PROJECTS

Dvogue   **March 2022- June 2022**

Outfit Generator Website   React | JavaScript | HTML | CSS | Firebase | Bootstrap

- Constructed website architecture to present outfit suggestions with users' input in an aesthetically pleasing manner
- Developed a web application that leveraged Firebase to handle authentication, database storage & hosting, and users' outfit suggestions allocation

Heart Disease Risk Prediction   **Jan 2020- March 2020**

Heart Disease Prediction Machine Learning Models   Python | R | Machine Learning | Data Analysis | Data Visualization

- Confiured, deployed, evaluated & compared Machine Learning algorithms, achieving 85% accuracy on Heart Disease dataset from UCI Machine Learning Repository
- Conducted ablation study on cleaned data to determine which health risk indicators could be used as a predictive model