CHARLES VU

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EDUCATION

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

TECHNICAL SKILLS

Front End : React, Javascript, HTML, CSS, styled-components
Back End : Java, C++, Python, PostgreSQL, MySQL, SOQL, Salesforce, R, Assembly
Tools : Git, npm, API, Firebase, Bootstrap, Jframe, Apex, Lighting Web Components, Visualforce, SKUID, Figma, Lucidchart

PROFESSIONAL EXPERIENCE

Salesforce Developer Intern | Fiduciary Technology Solutions | Seattle, WA   May 2023 - Present

Salesforce Application & Lighting Web Components (LWC)   Salesforce | Apex | LWC | SOQL | HTML | CSS | JavaScript

- Engineered a seamless transition from SKUID to LWC components, resulting in a remarkable **40%** reduction in load time for Salesforce applications, contributing to improved user experience and productivity.
- Identified and recommended user-accessible features based on advanced business analysis, enhancing the functionality and overall user experience of the new application according to technical specifications. Improved application usability by **15%** .
- Executed comprehensive QA & User Testing processes to ensure a flawless LWC application, resulting in a **0%** defect rate and exceeding performance expectations by **10%** compared to the original SKUID application.

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.

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%**

Club Council Treasurer | University of Washington | Bothell, WA   Jan 2022 - May 2023

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

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 | API

- 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