

Nga(Ashley) Hoang

Kingston,WA | nhoang2@seattleu.edu | +1 206-765-0681 | <http://www.linkedin.com/in/nngahoang>

Education

Bachelor of Science, Computer Science

Sep 2021 - Dec 2023

Seattle University – Seattle, WA.

Courses: Data Structures & Algorithms, UX Design, Object-Oriented Development, Cloud Computing, Database.

Programming Skills: Java, JavaScript, Python, C++, PHP, SQLAlchemy, MySQL

Other: Flask, Selenium, REST, HTML, CSS/Bootstrap, Git, Docker, Figma

Experience

Converge Media – Seattle, WA.

Sep 2022 – Jun 2023

Full-stack Software Development Senior Capstone Project Engineer

- Developed an over-the-top application on Roku devices, migrating Converge Media from 3rd party apps.
- Designed channel pages and integrated a custom video player, improving the overall user interface and experience.
- Directed user testing and iterative prototyping efforts, leading to a 30% improvement in usability metrics.
- Collaborated with customers and stakeholders to meet design specifications, enhancing project alignment.
- Utilities: XML, BrightScript Programming Language, Azure Blob Storage, Azure Media Service.

Projects

The Hiking Mobile Application Mockup (UX Designer)

- Designed a Hiking Mobile Application Mockup, incorporating user insights to create an intuitive interface.
- Incorporated user feedback into UX Design by leveraging comprehensive user research, surveys and interviews.
- Observed through empirical means a quantifiable increase in user satisfaction compared to user-agnostic approaches.
- Utilized Figma to create high-fidelity prototypes for user testing, receiving good feedback from key stakeholders.

The To Do List Application – [Github](#)

- Developed a comprehensive task management application using Python, Flask, Bootstrap 5, HTML5/CSS, and SQLite.
- Designed to support CRUD operations, this tool helps users manage their daily tasks with improved efficiency and user interface simplicity.

The Route Optimization for Delivery Service Application – [Github](#)

- Engineered a web application leveraging Flask and Bootstrap, implementing Dijkstra's algorithm for shortest path calculation; optimized delivery routes, resulting in a 25% reduction in delivery time and operational costs.
- Created a user-friendly interface allowing users to select start and end locations, submit routes, and view optimized paths with real-time feedback.

The Cafe API Application – [Github](#)

- Engineered a RESTful API for a café and Wi-Fi service platform to support seamless interaction between the site's frontend and backend systems.
- This infrastructure supports real-time data exchanges, improving operational efficiency and user experience on the platform.

Customer Feedback Sentiment Analysis Chatbot – [Github](#)

- Developed a chat bot using Flask and Bootstrap for real-time sentiment analysis of customer feedback. Created an engaging user experience by mimicking chat interactions.
- Integrated machine learning for accurate sentiment analysis, ensuring negative feedback is reflected with negative scores
- Successfully deployed the application, demonstrating strong problem-solving and full-stack development skills.