Hieu Chau

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Website | LinkedIn

EDUCATION

Bachelor of Science | *Computer Science and Systems with Honors*   December 2021
Minor in Mathematics | *Annual Dean's List*   GPA: 3.80
University of Washington Tacoma, WA

WORK EXPERIENCE

Software Engineer Intern | *Publication*   June 2020 – Dec. 2020
University of Washington Tacoma, *in collaboration with Microsoft*
- Assisted Bing Maps developers to identify external errors in real-time.
- Optimized Razor and AJAX calls on the front-end to cut half of the pages loading time.
- Utilized Bootstrap and JQuery libraries to design a user-friendly dashboard that describes the SQL database.
- Managed application's stability and efficiency on both JavaScript front-end and C# back-end in the ASP.NET MVC framework.
- Collaborated in a group of 3-4 people to communicate with clients in Agile Development methodology.

PROJECT EXPERIENCE

Algorithm Visualizer - AlgoViz | *Typescript* | *Deployment*   Mar. 2022 - Current
Personal Project
- Programmed a React web application for visualizing various searching and sorting algorithms.
- Built an Express.js backend to provide REST API for the frontend to request algorithmic data.
- Conducted unit tests with Jest to ensure the quality of components.
- Deployed the web application remotely through AWS EC2.

ML Research Assistant | *Publication*   Mar. 2021 – Current
SmartStreetP - Startup
- Investigated the current state-of-the-art for vision detection tasks and integrated these tools to local machines.
- Wrote Python scripts to manage and collect hundreds of Gigabytes of data from public JSON APIs.
- Established virtual environments in Linux to work with remote GPU server.
- Collaborated with school faculty and graduate students in the application development process.

Fusillade | *Javascript* | *Deployment*   Jan. 2021 – Mar. 2021
Course Project
- Led a team of 3 in development of a web-based game.
- Implemented various algorithms to procedurally generate levels.
- Designed user-centered visuals/features for the game.

Android Group Chat | *Java, Javascript* | *Demo*   Sep. 2020 – Dec. 2020
Course Project
- Developed an Android Application with a Node.js back-end in Express.js framework, and Java front-end.
- Utilized Imgur as an external image host to achieve contacts profile and image chatting.
- Implemented real-time messaging interactions through a Push Server.
- Maintained user information in an external SQL Database.

TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, Java, HTML, CSS, SASS/SCSS, SQL, C#, C++, C

Frameworks: React.js, Express.js/Node.js, Gatsby, ASP.NET MVC

Tools: VS Code, Jupyter Notebook, Visual Studios, Microsoft SSMS, Git, Git Bash, SourceTree