William Huynh

whuynh23@gmail.com • 206-999-3618 • linkedin.com/in/williammhuynh • github.com/williammh

Experience | Portfolio

Project Lead & Developer, Endless Alpha 09/2023 - present

Python, AWS, Linux, Bash, Numpy, Pandas, Matplotlib, Mplfinance, HTTPX

- architected a framework and API that allows users with little coding knowledge to quickly create, backtest, forwardtest, and execute live autonomous trading strategies for financial markets
- developed ETL pipeline that streams live data but can also format user-provided data for improved runtime performance, custom scenario modeling, or offline research
- implemented custom backtesting engine that mimics Tradestation Web API's OpenAPI specifications capable of tick-level precision, unlimited mock brokerage accounts, and realistic simulations of complex order types
- created data visualizer that charts live, historic, custom market data, account order and position history for mock accounts, simulated brokerage accounts, and live brokerage accounts
- integrated with industry standard data science libraries to preprocess for machine learning and deep learning pipelines
- deployed to AWS infrastructure to enable mobile access for global command and control with Termux and secure shell

Software Engineer II, Smartsheet 06/2021 - 09/2023

ReactJS, TypeScript, Node.js, AWS, Git, Gitlab

- developed and maintained Smartsheet Control Center, an advanced app service that automates Smartsheet, a project management solution with a userbase that includes 96 of the Fortune 100
- created components for Lodestar, a proprietary React design system to accelerate UI development times
- collaborated cross-team as the on-call engineer by unblocking other consuming software developers
- refactored new card view milestone component positioning and sizing algorithm to reduce runtime by half
- implemented dynamic directional drag-and-drop indicators on Lodestar Card component for keyboard users
- internationalized content using i18n enabling over 3 million users to use Smartsheet in their own language

Creator & Developer, Leaguemaps.com 11/2020 - 06/2022

ReactJS, TypeScript, Node.js, D3.js, Material UI

- developed a data visualization web application for fantasy basketball players consuming the data.nba.net REST API
- implemented interactive data visualizations using D3.js to help users analyze player performance trends
- built responsive UI components with Material UI for seamless desktop and mobile experiences

UX Engineer, Microsoft (Insight Global) 08/2020 - 05/2021

ReactJS, TypeScript, Node.js, Jest, Enzyme, Git, Azure DevOps, Fluent UI

- developed and maintained Microsoft 365 Admin Design System, an inner source library of reusable UI components used by 300+ developers to improve front-end development times and enhance productivity
- created M365 theme colors reference page for developers and designers to collaborate more effectively
- built and owned multiple presentational components including M365 IconAlert and M365 EmptyState
- peer reviewed code to ensure published code is readable, concise, and maintains a high-quality bar
- ensured components meet WCAG 2.1 and Microsoft Accessibility Standards enabling users of any device, browser, language, or ability to benefit from using Microsoft apps by combining browser API's and CSS-in-JS

Software Engineer, Microsoft (Mindtree) 01/2020 - 08/2020

ReactJS, TypeScript, Node.js, Redux, Jest, Enzyme, Saas, Git, Azure DevOps, Fluent UI

- collaborated with engineers, data scientists, and designers to build Microsoft Power Platform products including AI Builder and Power Virtual Agents, an app that allows easy creation of AI chat bots via a graphical UI
- rebuilt software license expiry page according to designer specifications documented in Figma
- converted entire Power VA front-end codebase to adhere to new TSLint rules to enforce stylistic consistency
- restyled UI components to be responsive at 200% zoom aligning with A11y accessibility standards

Form Designer, Connectwise 06/2018 - 12/2019

HTML, JavaScript, CSS, jQuery, C#

- engineered custom web UI solutions for customers of ConnectWise Sell, a globally distributed SaaS CPQ app
- maintained #1 client satisfaction score every month working with 300+ unique stakeholders worldwide

Education | Certifications

Bachelor of Science, Public Policy, The University of Arizona

Azure Fundamentals, Microsoft Azure