

William Huynh

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Professional Experience

Project Lead & Developer, Endless Alpha

09/2023 - present

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

- created a framework and API that allows users with little coding knowledge to rapidly prototype, backtest, forwardtest, and execute live autonomous trading strategies for financial markets
- architected bespoke backtesting engine that mimics Tradestation Web API's OpenAPI specifications capable of tick-level precision, recursive simulations of complex order types, and infinite mock brokerage accounts that can be used for forwardtesting on live data
- implemented ETL pipelines that stream live data and accept user-provided data for improved runtime performance, custom scenario modeling, and enablement of offline research
- developed 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, enabling global access and control from mobile devices via Termux and SSH

Software Engineer II, Smartsheet

06/2021 - 09/2023

TypeScript, ReactJS, 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

UX Engineer, Microsoft (Application Developer 3, Insight Global)

08/2020 - 05/2021

TypeScript, ReactJS, 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 (Technical Lead, Mindtree)

01/2020 - 08/2020

TypeScript, ReactJS, 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

Certifications

Microsoft Azure Fundamentals (AZ-900)

AWS Certified Machine Learning Engineer - Associate (in progress)

Education

Bachelor of Science, Public Policy, The University of Arizona