Hanlin Cheng

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Skills

Languages TypeScript, JavaScript, Java, C++, HTML, CSS
Frameworks and Libraries React, Redux, Vue, AngularJS, Express, Cypress, Jest
Tools and Technologies Node.js, MongoDB, PostgreSQL, Git, Figma

Experience

Intuit

Software Engineer Intern   Jan 2022 - Present
- Working on the TurboTax Online team to develop Java microservices for 20M+ users

Voiceflow

Software Developer Intern   May 2021-Aug 2021
- Developed React (TypeScript) and Redux components used by over **75,000** creators for a real-time, multiplayer canvas
- Built Voiceflow Transcripts, increasing monthly active users per workspace by **20%**, through creating microservice REST endpoints with Node.js, Express, PostgreSQL, and MongoDB
- Implemented E2E tests with Cypress alongside unit and integration tests in Mocha for canvas REST API endpoints

Imagine Communications

Fullstack Developer Intern   Sep 2020-Dec 2020
- Created new features with AngularJS (TypeScript), PostgreSQL, and Node.js RESTful web services in a multi-threaded TV content and ingest playout web application to support over **24,000** commercial channels
- Architected and published a videoplayer component API npm package in TypeScript for a third-party Vue widget

Community

UW Blueprint

Community Fridge Kitchener-Waterloo - Technical Lead   Sep 2021-Present
- Creating a centralized food donation scheduling platform with React (Typescript), Express, PostgreSQL, and Firebase
- Led development of Node.js volunteering CRUD endpoints, user authentication, and donor dashboard flows in Chakra

The Shoe Project - Project Developer   Sep 2020-May 2021
- Shipped an interactive map platform and administration dashboard in partnership with the Shoe Project using React (TypeScript), Go, PostgreSQL, and Docker to showcase Canadian refugee women's stories, see it here
- Spearheaded UI development of admin dashboard and upload form with React styled components and the Mapbox API
- Generated **90%** test coverage for Golang REST API endpoints by leveraging GORM, httptest, and testify libraries

Civic Tech Toronto

Frontend Developer   Feb 2020-Dec 2020
- Collaborated with a team of **20** to design and implement a React application for the Accelerator Project, a grassroots initiative focused on mentoring under-housed youth, using JavaScript, MaterialUI, and Jest unit testing
- Constructed **12+** reusable and responsive website features by creating a custom UI component design system in Figma

Education

University of Waterloo

Candidate for BASc. in Systems Design Engineering   Sep 2019-Apr 2024 (Expected)
Relevant Coursework: Human Factors in Engineering, Data Structures and Algorithms (C++)

Interests

Watercolour illustrations, @forcontext podcast content creator, Puzzlehunts, San Antonio Spurs