Anthony Y. Zhu

Contacts

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Employment

Frontend Software Engineer – Ciena
May 2021 – Present

- Worked on large-scale, long-lived frontend codebases with multiple applications and packages, navigating complex dependency graphs and legacy areas while delivering production features and fixes.
- Led a scaffolding and standardization effort to align previously isolated codebases on a shared configuration baseline, including linting rules, bundler setups, browser targets, and development conventions.
- Designed and implemented internal web-based tooling to improve developer understanding of the overall frontend ecosystem, making it easier to explore repositories, dependencies, and ownership boundaries.
- Built DX-focused command-line tools to streamline pull request workflows, automate status checks, enforce approval requirements, and reduce friction in merge and deployment processes.
- Contributed to build and CI/CD improvements by identifying bottlenecks and inconsistencies across projects, helping teams adopt more predictable and maintainable workflows.
- Participated in cross-team initiatives to reduce framework duplication by moving shared UI patterns into a design system built with Web Components, enabling reuse across React, Ember, and other frameworks.
- Collaborated closely with engineers, tech leads, and stakeholders to incrementally modernize frontend architecture while maintaining stability in a high-impact production environment.

Geotechnical Engineering Technician, Field and Laboratory – WSP Canada Inc.
April 2018 – December 2018

- Supported geotechnical investigations through field sampling, site inspections, laboratory testing, and preparation of technical records and reports.

Geotechnical Engineering Technician, Field and Laboratory – Aecon Group Inc.
July 2016 – April 2018

- Performed quality control and materials testing for construction projects, assisted engineers with field inspections, and maintained documentation to support compliance and safety requirements.

Projects

MikoshiUI (Ottawa, Ontario)
August 2022 – Present

- Created a React-based UI framework featuring Google's Material Design system and glassmorphism styling.

github.com/anthony-y-zhu14/MikoshiUI
Tech: React, Vite, HTML, SASS, TypeScript, Git
Skills: Project Planning, Database Design, Front End Web Design
QuickIn - Quick QR code Check in App (Ottawa, Ontario)
Jan 2021 – May 2021

- Created a QR code check-in web app that enables businesses to record customer traffic data by scanning a QR code associated with a customer account.

github.com/anthony-y-zhu14/QuickIn
Tech: React, Node.js, MongoDB, HTML, CSS, JavaScript, Git
Skills: Project Planning, Database Design, Front End Web Design

Education

Bachelor of Science (Honours) - Computer Science
Carleton University
2019 – 2023
Advance Diploma (Honours) - Civil Engineering
Algonquin College of Applied Arts and Technology
2014 – 2017