ADITYA THAKRAL

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SKILLS

Languages	C#, TypeScript, HTML/CSS, PowerShell/Bash, Python, C++, Scheme, Haskell, Rust, C
Tools	WPF, PerfView, Webpack, Node.js, GraphQL, Git, Docker, VS and VSCode Extension API

EXPERIENCE

Microsoft, Visual Studio, Software Engineer 2, Redmond, WA Nov 2021 – Feb 2024, Mar 2024 – Present
Building high-performance features on Visual Studio related to sign-in, security, and web technologies
- Engineered a cross-platform (VS and VSCode) layer using web technologies for building GUI extensions
- Hardened security for Visual Studio by adding safeguards to prevent remote code execution
- Enhanced user experience in the sign-in process for Visual Studio team by introducing an informative dialog when re-entering credentials, reducing feedback tickets and promoting self-service
- Shortened the inner dev loop which improved the developer experience for our team and new members

Computer Science Club of UWaterloo, Website Committee Lead**,** Waterloo, ON Apr – Oct 2021
Led and mentored a team of 7 students to build a new website for the Computer Science Club of UWaterloo

Shopify, Software Developer Intern, Waterloo, ON (Remote) Sep – Dec 2020
Created a small, performant, and extensible GraphQL client for use in isomorphic JS applications

Microsoft, VSCode, Software Engineering Intern, Waterloo, ON (Remote) May – Aug 2020
Improved accessibility in the Settings Editor GUI – vscode#97567, vscode#99635

data.world, Software Engineering Intern, Austin, TX May – Aug 2019
Developed tools to migrate JS (Flow) to TypeScript for a better developer experience

Shopify, Frontend & Backend Developer Intern**,** Montreal, QC & Ottawa, ON Jan – Dec 2018
Optimized updates to buyer information during checkout, making Web, REST, and GraphQL APIs faster
Re-wrote the Shopify Admin front-end from ERB in Rails to TypeScript, React and GraphQL

PROJECTS

Home server: Self-hosted a data backup solution with geo redundancy using nextcloud, tailscale, and duplicacy
apollo-datasource-mongodb: Added type declarations to make the open-source project work with TypeScript
Plots: A flavor of Monopoly Deal as a multiplayer online card game in TypeScript, GraphQL, and React
Non-SWE project: I have a project car that I like to fix and take to the race track in my free time!

EDUCATION

University of Waterloo, *Bachelor of Computer Science* Sep 2016 – Jun 2021
- Compilers, Type Theory, Networks, Concurrency, Security, Cryptography, Distributed Computing, OS, DB, AI
- Vice President – CS Club (Fall 2019); led Git workshops; mentored at StarterHacks 2019 and 2020