ADITYA THAKRAL

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SKILLS

Languages	TypeScript, JavaScript, Python, Ruby, SQL, C++, Scheme, Bash, SML, Haskell, Rust, C, HTML/CSS
Tools	Git, Docker, GraphQL, Node.js, VSCode Extension API, React.js, Babel, Webpack, Ruby on Rails

EXPERIENCE

Shopify, Web Foundations, Software Developer Intern, *Waterloo, ON (Remote)*   Sep – Dec 2020
Created a small, performant, and extensible GraphQL client
- Added server-side rendering support to help consumers achieve better SEO and faster page load times
- Developed functionality to lazy load and prefetch GraphQL queries by adding support for async queries
- Identified and fixed bugs by migrating internal apps from the Apollo client to the new GraphQL client

Microsoft, VSCode, Software Engineering Intern, *Waterloo, ON (Remote)*   May – Aug 2020
Improved accessibility in the Settings Editor GUI – vscode#97567
- Evaluated different keyboard navigation models by collecting feedback from visually impaired developers
- Increased discoverability and accessibility of object settings by adding support to modify them from the GUI
- Contributed to open-source extensions to make their settings compatible with the new GUI control

data.world, Software Engineering Intern, *Austin, TX*   May – Aug 2019
Optimized, improved, and standardized the front-end infrastructure for better performance
- Reduced response times by 20-30% by upgrading all applications to use the latest Node.js runtime
- Led the migration of all JavaScript code from Flow to TypeScript for better developer experience
- Standardized babel and polyfills to make the frontend backward compatible with older browsers

Shopify, Checkouts Core, Back End Developer Intern, *Montreal, QC*   Sep – Dec 2018
Optimized updates to buyer information during checkout, making Web, REST, and GraphQL APIs faster
- Reduced calls to MySQL by 50% on each update by batching persisting changes

Shopify, Web Foundations, Front End Developer Intern, *Ottawa, ON*   Jan – Aug 2018
Re-wrote the Shopify Admin front-end from ERB in Rails to TypeScript, React and GraphQL
- Contributed to Polaris – a design system used by internal and external developers

PROJECTS

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

EDUCATION

University of Waterloo, *Bachelor of Computer Science (4B)*   Sep 2016 – June 2021 (expected)
- Compilers, Type Theory, Networks, Concurrency, Distributed Computing, Security, Cryptography, OS, DB, AI
- Vice President – CS Club (Fall 2019); led Git workshops; mentored at StarterHacks 2019 and 2020