Aditya Keerthi

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SKILLS

Languages • C++ / Objective-C / Python / JavaScript / Swift / Ruby / SQL
Technologies • Git / Cocoa / Rails / MySQL / Node.js / Flask / MongoDB
Concepts • Operating Systems / Data Structures & Algorithms / Concurrency

EXPERIENCE

Google • Software Engineer   *Montréal, QC • Winter 2019*
- Improved proactive memory purge policies in Chrome using **C++**
- Worked on efforts to support tab freezing, unlocking **power** and **memory** savings
- Reduced tab switch times up to **10%** through analysis of critical code paths
- Experimented with use of native **thread pool** APIs on **Windows** / **macOS** / **iOS**

Apple • Software Engineer   *Cupertino, CA • Summer 2018*
- Implemented form controls for WebKit and Safari using **C++** and **Objective-C**
- Added support for new HTML attribute enabling keyboard customization in Safari
- Fixed bugs with **rendering** and event handling to ensure Web API compliance

Apple • Software Engineer   *Cupertino, CA • Fall 2017*
- Created new persistence model for draft emails on **iOS** using **sqlite3** and **C**
- Integrated system emoji picker into Mail compose window on **macOS**
- Added functionality to internal framework to support proprietary feature in Mail

Shopify • Software Developer   *Ottawa, ON • Winter 2017*
- Wrote **GraphQL** APIs in **Ruby** to deliver custom insights to **600K+** merchants
- Developed mechanism to track user engagement, backed by **MySQL** and **Kafka**
- Optimized **SQL** queries via indexing to reduce feed load times up to **10%**

PROJECTS

pxl8
- CHIP8 emulator written in **Swift** and developed for **macOS**

On This Day
- **iOS** app that retrieves historical information, powered by a **Flask** web server

EDUCATION

University of Waterloo • Bachelor of Software Engineering • 2015-2020

INTERESTS

Film / Trivia / Cooking / Basketball / Rocket League / Emulation