

Emmet Murray

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as of March 2, 2024

Technical Experience

Server Development: C++, Java, C# - Azure App Service, Azure Functions

Web Development: TypeScript, JavaScript - React, Redux, Angular

App Development: Objective-C, Swift - iOS, SwiftUI, WidgetKit

Scripting/Data Processing: Golang, Python, SQL

Work Experience

Google - Software Engineer

Dec 2021 - Present

- Full stack engineering for Google Maps (C++ Server, Objective-C iOS, Java Android, TypeScript/Angular development)
- Led the design, implementation, launch and landing of client and server features, collaborating with Eng, PM and UX stakeholders
- Provided technical support and mentoring for junior team members, including onboarding and work delegation for projects

Microsoft - Software Engineer II

Mar 2020 - Dec 2021

- Fullstack customer facing web development with C#, Typescript/React and Azure Cloud
- Developed new features and maintained existing services, problems include distributed systems, security, performance and scale, UI design/architecture, UI performance
- Led team design discussions, created and improved tools/automation to improve time spent on process

Data61 - Research Assistant

May 2019 - Feb 2020

- Proof engineering for [Cogent](#), a systems-oriented programming language that facilitates formal verification of systems software
- Integrated recursive types into the type system and code generation of Cogent based off of designs from thesis project

Microsoft - Software Engineering Intern

Nov 2018 - Feb 2019

UNSW - Casual Academic - Tutoring

Feb 2018 - May 2019

Literatu - Automation and Web Development

Aug 2016 - Sep 2018

Education

University of New South Wales - BEng, Software (Honours)

Feb 2016 - Dec 2019

- First class honours thesis in programming language theory (**98/100**)
- Displayr Thesis B Prize - 2nd place (2019)
- Macquarie SENG2021 Award (2017), Engineering Dean's List (2017)

Etelä Tapiolan Lukio, Finland - Rotary Youth Exchange

Jan 2015 - Jan 2016