

LIAM HORCH

410-599-0008 ◇ horchliam@gmail.com ◇ horchliam.github.io

EDUCATION

University of Maryland, College Park

May 2022

Bachelor of Science in Computer Science

Minor in Mathematics

WORK EXPERIENCE

DoorDash Full-Stack Engineer

January 2025 - Present

- Spearheading the rapid cross-functional development and launch of high profile partnerships such as HBO Max, which contributed to a 12% increase in overall subscriptions
- Enhancing the IOS platform's development velocity by expanding upon the server driven UI library, aiding in the development of a Kotlin DSL, eliminating client release bottlenecks
- Building an extensive suite of end-to-end automated tests covering all golden flows, eliminating manual QA cycles and ensuring nightly regression validation.
- Skills employed: [SwiftUI](#), [Kotlin](#), [Go](#), [gRPC](#), [Data Analysis](#), [SDUI](#), [Amplitude](#), [Automated testing](#)

Alarm.com Mobile Engineer

March 2022 - December 2024

- Collaborated on a cross-functional, agile full stack team to develop a combination of Swift and Objective-C user-focused security features, impacting millions of users weekly.
- Developed shared UI components in Objective-C that all iOS teams in the company can utilize, ensuring their quality and functionality through test driven development.
- Delivered an AI-powered chatbot, utilizing Objective-C to ensure smooth interaction between the chatbot and the company's microservices architecture.
- Skills employed: [Objective-C](#), [Swift](#), [SwiftUI](#), [Combine](#), [C#](#), [MYSQL](#), [JIRA](#), [BitBucket](#)

PROJECTS

Codeely

March 2025 - September 2025

- Designed and implemented an interpreter for a custom programming language optimized for fast, iterative coding on mobile devices.
- Developed an iOS application integrating the interpreter, enabling users to solve curated coding challenges inspired by platforms like LeetCode.
- Skills employed: [Objective-C](#), [Swift](#), [Interpreter design](#), [Memory management](#), [AST](#), [Lexical analysis](#)

Mini Social Media (beta)

October 2022 - February 2023

- Created a stripped down de-cluttered iOS social media app where users can only post 42 character blurbs.
- Hosted the backend on AWS Amplify for image storage and managed user data and posts using Google Cloud MySQL.
- Skills employed: [SwiftUI](#), [AWS Amplify](#), [MYSQL](#), [Relational databases](#), [Networking](#), [JavaScript](#)

Wordeely

October 2022 - February 2023

- Developed an app encapsulating an addictively simple word game, perfected through the feedback from a curated group of testers.
- Deployed an automated back-end using Node.js and Express to deliver a daily wordeely for infinite replays.
- Successfully launched the app on the Apple App Store.
- Skills employed: [Swift](#), [SwiftUI](#), [App development](#), [UI/ UX](#), [Google Cloud](#), [Node.js](#), [Express](#), [MongoDB](#)