Chuck Stein

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Education

Northeastern University | *Khoury College of Computer Sciences* | Boston, MA   *September 2017 – Present*
Bachelor of Science in Computer Science & Music Composition/Technology, Music Recording Minor   *Expected May 2022*

GPA/Honors: 3.93/4.00, Dean's List (all semesters)
Activities: Beta Theta Pi, Tastemakers Magazine – Content Writer, Green Line Records – Recording Department

Work Experience

WHOOP | *Android Engineer* | Boston, MA   *January – June 2021*
Key Skills: Kotlin, MVVM architecture, coroutines, Gradle, Firebase, Bitrise, Koin, Retrofit, Stripe, JUnit, Espresso UI testing, Jetpack Navigation, Jetpack Lifecycle, Node.js, Java, SQL, A/B testing

- Surpassed responsibilities as an Android Engineer by fulfilling back-end needs and completing full stack projects
- Balanced delivering assigned tasks with eliminating tech debt and introducing needed infrastructure improvements
- Identified and resolved inconsistencies between existing app UI and intended designs by consulting design team
- Fulfilled duties as release coordinator for multiple weekly builds and deployments of the app to the Google Play Store
- Designed, implemented, and documented back-end infrastructure critical to a major hardware release
- Monitored safe rollouts of any changes to production code by use of feature flags
- Onboarded a new senior engineer to the code base and collaborated on design for subsequent projects

Tripadvisor | *Full Stack Software Engineer* | Needham, MA   *January – June 2020*
Key Skills: Java, Spring MVC, TypeScript, React, jQuery, RxJS, CSS, JUnit, SQL, Gradle, Linux

- Expedited a GDPR compliance project by designing a front-end interface between a 3rd party cookie consent tool's JavaScript API and 1st party Google Tag Manager containers and back-end personalization tracking service
- Refactored a cookie management system to accommodate newer web standards
- Rebuilt UI components to meet an updated spec for a project to remove technical debt from a decades-old codebase
- Onboarded a team in another country taking over a project by documenting necessary domain knowledge
- Contributed to codebases across two subsidiary websites, with varying architectures and development practices

Bose Corporation | *Software Engineer for VR/AR Research & Applications* | Framingham, MA   *January – July 2019*
Key Skills: Swift, Java, MaxMSP, C

- Built first prototypes and demo experiences for patent-pending audio augmented reality technology
- Pitched and demoed to stakeholders to gather support and sponsorship for a new research project
- Designed three iOS apps and a desktop audio processing demo to showcase innovative technology and its use cases
- Evaluated performance of different prototype iterations by developing an Android app to measure audio latency
- Collaborated with a firmware engineer to deliver embedded tech demos
- Directed new project management techniques, earning Lean Six Sigma Yellow Belt Certification

Personal Projects

Libzy   *March 2020 – Present*
Key Skills: Kotlin, Jetpack Compose, MVVM architecture, coroutines, Gradle, OAuth 2.0, Dagger, Glide, Jetpack Lifecycle, Jetpack Navigation, Room SQLite ORM, Spotify Web API, Spotify Android SDK (App Remote and Auth libraries)
- An Android app which recommends albums to listen to from the user's Spotify library, based on current mood

Propellion   *July – August 2020*
Key Skills: C#, Unity 3D, music & audio production
- A 3D space parkour game with physics-based player movement, enemy AI, procedural generation, and a complex dialogue tree leveraging an event system with persistent stat tracking for responding to player actions
- Delegated tasks between three developers, using Jira to track issues and progress
- Composed an original soundtrack and performed voice acting, recording, and vocal processing for a primary character

Symphony of Babel   *September – November 2019*
Key Skills: Python, Flask, JavaScript, React, Amazon Web Services, Axios, REST
- A web app cataloging every possible snippet of sound, inspired by Jonathon Basile's Library of Babel