

Peter Abbondanzo

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EDUCATION

- **Northeastern University** Boston, MA September 2016 – December 2020
College of Computer and Information Science | *B.S. in Computer Science*
Activities President (3 years): Northeastern Virtual Reality, TA: Software Development

SKILLS

Languages Proficient: JavaScript/TypeScript, Java/Kotlin, Gradle, Swift, Python, HTML, CSS (Sass/SCSS & Less)
Familiar: Dart, PHP, Lisp, Racket, Go, C/C++, C#, GQL
Technologies Node (Webpack & Babel), Android, iOS, React, React Native, Vue, Flutter, Django, Flask

EXPERIENCE

- **HubSpot, Inc.** Cambridge, MA January 2019 – Present
Frontend, iOS & Android SSWE
 - o Led research and development of a custom brownfield OTA update system and developer client that allowed frontend teams to build React Native applications without native experience. This separated native builds from the JS bundler, slashing build times by 70%. Developers could seamlessly exchange code changes via QR codes on pull requests, eliminating local compilation hurdles.
 - o Key contributor to the first React Native application that joins HubSpot's frontend framework build tools and the existing artifact publishing for native iOS and Android mobile applications in a brownfield environment. Used this architecture to scale multiple React Native instances running concurrently inside one application.
 - o Pioneered a solution for Android rich text editing through multi-character tokenization. Translated this solution into the realm of React Native applications, facilitating advanced text features like @-mentions and snippet insertions.
 - o Implemented a unified user experience across all conversational messaging channels. Made the library extensible for teams to insert custom third-party message components without any additional configuration.
- **Akkio, Inc.** Cambridge, MA April 2022 – September 2022
Frontend SWE Contractor
 - o Rebuilt the model report summaries to allow granular filtering on classification and regression column attributes
 - o Overhauled several visualizations on report pages from the forecast prediction graph to the model performance graphs to make them more performant and accessible to users, reducing TTI by over 70%
 - o Introduced type safety and implemented best practices around typing of newer Vue components
- **Intuit, Inc.** Mountain View, CA January 2018 – June 2018
Android and Java Developer Co-op
 - o Built and maintained custom Android modules for processing payments with a card reader attachment.
 - o Designed unified notification routing that provided deep linking into various layers of the application.
 - o Worked on an AR tool that allowed new users to view tooltips about their card readers during onboarding.

PROJECTS

- **Peloton Scheduling and Alerting** Morristown, NJ In Progress
Frontend and Mobile Application for assisting with Peloton Studio scheduling (Personal)
 - o Created a high-performance frontend as an alternative to Peloton Studio's scheduling site. Included more granular filters for class status and custom alerts via RSS and mobile notifications, enabling users to never miss a class.
- **123ConEd** Morristown, NJ August 2020
Online Course Management Software (Titus Design, LLC.)
 - o Led the development of a full-stack course taking system using Django, Celery, and PostgreSQL for the backend. Used GraphQL for a clean and automatically generated type system on the frontend.
 - o Built a frontend using React and Apollo. Implemented a powerful user interface for taking courses, generating reports, and managing payment and communication information. Utilized GraphQL's subscriptions to track live progress of courses being taken.
- **Modern MyNEU** Boston, MA February 2017
Web Design and Development (Personal)
 - o Developed a Chrome extension as an introduction to vanilla JavaScript and CSS for Northeastern faculty and students. Completely redesigned Northeastern's MyNEU portal for a much cleaner, modern look.