Gabe Goodman

Software Engineer   Tokyo, Japan

goodman.g@northeastern.edu

(+81) 70-8561-0311

gabe-goodman.com

Technical Skills

Languages & Frameworks: JavaScript, TypeScript, React, Vue.js, Redux   **Backend:** Node.js, Express
Databases: GraphQL, REST, PostgreSQL, MySQL, MongoDB   **Cloud Services:** GCP, AWS
Version Control & Testing: Git, TDD/BDD, Jasmine, Mocha/Chai   **Processes:** Agile, Scrum

Projects

E-Mina – Pop Culture Tourism App, *github.com/YACT-jp/E-Mina-mobile-frontend*
Mobile application for searching and sharing real-life locations from Japanese pop culture

- Led frontend development effort for key features using **React Native** framework for Android
- Researched & integrated mobile feature libraries such as **React Navigation**, **React Native Maps**
- Leveraged **NativeBase framework** for rapid-prototyping of component UI, feature functionality
- Facilitated communication with backend engineers regarding API endpoints, database structure
- Implemented user authentication and account creation using **MongoDB Realm** cloud services

Festival Finder – Interactive Map, *github.com/Gabe-Goodman/Festival-Finder*
Responsive web application guiding users to participating shops for community events

- Designed feature-rich, full stack SPA in **React** using modular components, **Firebase**, **Maps API**
- Deployed full stack application using **Firebase Hosting**, continuous deployment using **Netlify**
- Executed preliminary user testing, relayed results to stakeholders during informal meetings

My Media Library – Personal API, *github.com/Gabe-Goodman/My-Media-Library*
Media API executed using Express, Node.js, PostgreSQL, Knex.js

- Engineered a **RESTful API** server in **Express** and **Node.js**, providing CRUD functionality
- Interfaced with **PostgreSQL** database using **Knex.js** for JavaScript query-building
- Conducted unit testing using **Mocha framework** with **Chai** assertion library

Work Experience

Assistant Language Teacher, Tokyo, Japan   Jul 2019-Present
JET Program – Tanashi Technical Highschool

- Increased student-ALT interaction by 8x, to every-other-lesson via reading and speaking tests
- Refined, standardized curriculum rubrics for department alignment, resource consolidation

Medical Device Engineering Co-op, Framingham, MA   Jan-Aug 2018
Bose Corporation – Bose Hear

- Informed the development of a direct-to-consumer hearing aid as a cross-functional engineer
- Fabricated models using rapid-prototyping; conducted preliminary wear tests for fit and comfort

Mechanical Engineering Co-op, Boston, MA   Jan-Dec 2017
Philips Healthcare – Connected Sensing

- Applied knowledge of material properties in designing a biocompatible, wearable biosensor

Education

Northeastern University, Boston, MA   May 2019

Bachelor of Science in Bioengineering

Concentration in Medical Devices, Minor in Materials Science and Engineering

GPA: 3.73 **Honors:** University Honors Distinction, *magna cum laude*

Code Chrysalis, Tokyo, Japan   Dec 2021

Advanced Software Engineering Program

Full Stack development with agile methodologies