



# Gabe Goodman

## Software Engineer Tokyo, Japan

 goodman.g@northeastern.edu

 (+81) 70-8561-0311

 gabe-goodman.com

### Technical Skills

**Languages & Frameworks:** JavaScript, TypeScript, React, Redux

**Databases:** GraphQL, PostgreSQL, MySQL, MongoDB, Firestore

**Version Control & Testing:** Git, TDD/BDD, Jasmine, Mocha/Chai

**Backend:** Node.js, Express

**Cloud Services:** GCP, AWS, MongoDB

**Processes:** Agile, Scrum, Kanban

### Projects

**E-Mina – Pop Culture Tourism App**, [github.com/YACT-jp/E-Mina-mobile-frontend](https://github.com/YACT-jp/E-Mina-mobile-frontend)

*Mobile application for searching and sharing real-life locations from Japanese pop culture*

- Led frontend effort for *location search, location page, photo upload & gallery* in **React Native**
- Researched & integrated mobile feature libraries such as **React Navigation**, **React Native Maps**
- Leveraged **frontend component library** in prototyping search, photo upload & gallery navigation
- Designed **API endpoints** and **database structure** for user photos & profile with backend engineers
- Implemented user authentication and account creation using **MongoDB Realm** cloud services

**Festival Finder – Interactive Map**, [github.com/Gabe-Goodman/Festival-Finder](https://github.com/Gabe-Goodman/Festival-Finder)

*Responsive web application guiding users to participating shops for community events*

- Built modular SPA in **React** enabling navigation & “visited locations” using **Maps API** and **Firebase**
- Deployed application to 300+ users via **Netlify**, supplementing physical maps during COVID-19
- Iterated design/functionality based on feedback from user testing, informal stakeholder meetings

**My Media Library – Personal API**, [github.com/Gabe-Goodman/My-Media-Library](https://github.com/Gabe-Goodman/My-Media-Library)

*Personal media library API executed using Express, Node.js, PostgreSQL, Knex.js*

- Engineered a **RESTful API** server in **Express** and **Node.js** for CRUD library operations
- Interfaced with **PostgreSQL** database using **Knex.js** for JavaScript query-building
- Executed TDD unit tests with **Mocha** framework and **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 looks-like, feels-like models in conjunction with industrial design for wear tests

**Mechanical Engineering Co-op**, Boston, MA

Jan-Dec 2017

*Philips Healthcare – Connected Sensing*

- Worked with industrial design and engineering in prototyping 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*