Timothy Chu

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SKILLS

Tech: JavaScript, Typescript, HTML5, CSS3, Node.js, Express, React / Redux, Ionic React / Capacitor, React Native / Expo, Firebase / Firestore, PostgreSQL, Sequelize / SQL, Git, Webpack, OAuth, Heroku, Postman, Mocha / Chai, Jasmine

Languages: English, Mandarin Chinese (conversational), Spanish (limited)

PROJECTS

Social Media Hybrid App — 2019

- Collaboratively designed and deployed a hybrid app ("Bean") for crowd-sourced tours in a team of four. Incorporated non-relational database management, front-end validation, Firebase authentication, native geolocation & storage, Google Maps & Yelp APIs, and UI/UX design.
  - *Tech:* Ionic React / Capacitor, Firebase / Firestore, Third-party APIs, Git, Typescript
  - *Code:* github.com/object-keys-twin/capstone-ionic
  - *Deployment:* capstone-96611.firebaseapp.com

Text Recognition Mobile App — 2019

- Learned React Native / Expo to develop a mobile app ("Reading Glasses") for analyzing food additives in ingredient labels over a 2-day solo hackathon. Utilized Google Cloud Vision & E-Additive APIs, data parsing, and native camera features.
  - *Tech:* React Native / Expo, Third-party APIs, Git, Javascript
  - *Code:* github.com/chutim/reading-glasses

E-Commerce Website — 2019

- Built an online merchandise store in a team of four. Leveraged relational database management, guest / log-in status, local storage, and basic security.
  - *Tech:* React / Redux, Express, Sequelize, PostgreSQL, Git, Javascript

EDUCATION

Fullstack Academy — New York, NY — 2019

- Full stack software engineering immersive program

Stony Brook University — Stony Brook, NY — 2010-2015

- B.E. (Biomedical Engineering) & M.S. (Biomedical Engineering)

WORK

R&D Technician, BioIVT — Westbury, NY — 2018-2019

- Isolated peripheral blood mononuclear cells (PBMCs) and other blood- and tissue-derived cell products according to customer specifications (BSL-2 laboratory).

Senior Technician, BioIVT — Westbury, NY — 2017-2018

- Processed customized orders of biological matrices produced from human/animal fluids & tissues in a fast-paced BSL-2 production laboratory.

OTHER

Publication: Zhang D, Hu M, **Chu T**, Lin L, Wang J, Li X, Ke HZ, Qin YX. Sclerostin antibody prevented progressive bone loss in combined ovariectomized and concurrent functional disuse. *Bone.* 2016. doi: 10.1016/j.bone.2016.02.005. Epub.