Tony Wong

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EDUCATION

Fullstack Academy, Software Engineering Immersive   October 2019
University at Buffalo, Bachelor of Science in Mechanical Engineering   May 2019

TECHNICAL SKILLS

Proficient: JavaScript, Node.js, Express, React, React-Redux, Sequelize, PostgreSQL, HTML5, CSS
Knowledgeable: React Native, Expo, GraphQL, Apollo, Prisma, Viro-React, Heroku, Travis, Github, AWS
Familiar: Socket.io, Firebase, O-Auth , TDD (Testem, Mocha, Chai), Webpack, Babel

PROJECTS

postAR | View Github   October 2019
Augmented reality mobile app for interactive message posting
- Designed a mobile app that allows user to leave messages in an AR world for other users to interact with
- Personal role included handling all AR functions using Viro-React, UI/UX design with React-Native, client-server (AR-database) communication via GraphQL
- Technologies: Javascript, Node.js, React-Native, Viro-React, GraphQL, Apollo, Prisma

Smile | View Github   September 2019
Facial recognition mobile app build during an intense four-day stackathon
- Designed a mobile app capable of detecting faces in live time, determining whether the subjects are smiling, and attaching a smiley emoji on their face if they are
- Technologies: Javascript, Node.js, React-Native, Expo-Camera, Expo-FaceDetector

Rainforest | View Github | View Site   September 2019
Fully functional e-commerce website dedicated to selling books
- Designed a full-stack e-commerce website with features including client-server interaction, O-Auth log-in, persistent user and guest cart, order history, Heroku deployment with CI/CD, checkout and payment
- Personal role included Google O-Auth Log-In, Heroku deployment with Travis CI, front-end React-Redux component and back-end RESTful architecture for displaying products
- Technologies: Javascript, Node.js, React, React-Redux, Sequelize, Express, PostgreSQL, Google OAuth, Stripe API, Heroku, Travis CI

Motion Tracking Wearable Device   January – May 2019
Wearable device capable of characterizing a patient's movements
- Prototyped a wearable device programmed on an Arduino Nano for a medical manufacturing company
- Collected data for angular velocity, acceleration, heading, and heart rate with different sensors
- Interpreted raw data into meaningful information about human-motion with Matlab

WORK EXPERIENCE

CCM Consulting Group, Inc   New York, NY
Engineering Consultant Intern   June-August 2015 / 2016
- Assisted engineers and project managers to efficiently meet deadlines on construction projects affiliated with major mobile telecommunication companies
- Prepared documents examined by the Department of Buildings –Work Permit, Cost Affidavit, etc
- Scheduled project examination appointments with Professional Engineers at Department of Buildings
- Monitored approvals of 100-200 accounts of incoming and outgoing projects

INTEREST

Fitness, sports, cooking, traveling, video games, board games, Netflix binging, and everything food related
"Learn, Share, and Create" – My Engineering Motto