

Vincent Tran

Contact

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Computer Languages

JavaScript, Python,
Java, C++, C,
Scheme, SML,
HTML, CSS, XML

Technologies

Node.js, Meteor.js,
React.js, React Native,
Bootstrap, jQuery,
MongoDB, Firebase

Software

Git, Heroku, AWS,
Android Studio, Xcode,
Microsoft Office Suite

Foreign Languages

Mandarin Chinese,
Cantonese Chinese,
Spanish

Technical Experience

Tufts Computer Science Dept. – *Teaching Assistant*

Sept. 2016 – Present

- Assisted students in web programming projects for Tufts' COMP20 course

TravelEZ – *Freelance Software Developer*

July 2016

- Designed and developed a handicap accessibility establishment-rating app for iOS and Android using React Native
- Built a RESTful web service to find nearby establishments based on user location and store user reviews with Node.js and MongoDB
- Consumed Apple Maps, Google Maps, Google Places, and Geolocation APIs to enhance ease of use and user experience

LearnLux – *Freelance Software Developer*

June 2016 – August 2016

- Developed a financial educator chat bot using the Facebook Messenger platform and Node.js + Express and MongoDB
- Implemented a webhook interaction between Facebook and the server to give the user hundreds of possible conversation flows
- Collaborated with the COO to create an extensive financial calculator REST API to be integrated into the LearnLux platform

Projects

Snap Assassin – *Hackathon Project*

Oct. 2016

- Created an Android app to automate moderation and random target assignment for live-action Assassin games
- Used Firebase database and notifications to implement real-time in-app updates, a live newsfeed, and notifications
- Consumed the Microsoft Face REST API to incorporate face recognition as a feature of the game
- Won second place in the Tufts Polyhack 2016

Recipio – *Hackathon Project*

Aug. 2016

- Worked with a team to create a voice-activated cooking assistant web app, utilizing technologies such as Wit.ai, CMUSphinx keyword-spotting, and Google voice recognition + text-to-speech APIs
- Won second place in the Bridgehacks 2016 hackathon

Save the Children Mobile App – *Volunteer Project*

Sept. 2016 - Current

- Developed a cross-platform mobile app to allow Save the Children donors to communicate with their sponsored children, get live updates, and make donations
- Strengthened app security by implementing input sanitization, verifying session tokens, and configuring database/storage permissions accordingly
- Designed a scalable structure to store donor and child information in Firebase
- Implemented server-side routes to reliably transfer files and send push notifications from admins to donors using Google Cloud Storage and Firebase notifications

Education

Tufts University – Medford, MA

- Expected Graduation: **May 2018**
- Intended Major: **Computer Science**
- Current GPA of 3.33; Dean's List Scholar