ALEX NGUYEN

AlexTNguyen.com
github.com/AlexTNguyen
linkedin.com/in/AlexTNguyen

EDUCATION

Tufts University | Medford, MA
Bachelor of Science in Computer Science | May 2017

Relevant Courses: Algorithms, Computation Theory, Database Structures, Database Systems, Game Development, Machine Learning, Machine Structure & Assembly Language Programming, Mobile Development, Programming Languages, Web Development/Engineering

SKILLS

Programming Languages: C, C++, Java, JavaScript
Software/Technologies: Android, CSS, Git, HTML, jQuery, Express, Node.js, NoSQL, PostgreSQL, Unity5

EXPERIENCE

Summer Intern – State Street Global Advisors   June 2016 – August 2016
- Developed an interface used to generate and run a SQL statement based on the user's input
- Designed a web template for the company's weekly newsletter and created a generator that parses an email for content to produce the newsletter's HTML
- Created wireframes to reorganize and redesign the company's home page in cooperation with the UX/UI team

Teaching Assistant – Tufts University Department of Computer Science   January 2015 – May 2015
- Explained the fundamentals of C++ during lab and office hours for course, COMP11: Intro to Computer Science
- Provided constructive feedback on students' projects by critiquing functionality, style, readability, runtime efficiency, and modularity

PROJECTS

QueueR
- Developed and published an Android app queuing system to the Google Play Store that allows customers to enter a restaurant's wait list via QR code
- Utilized Google Firebase to asynchronously store restaurant/customer data and to authenticate restaurant users
- Utilized the ZXing library to scan, generate, and decode unique QR codes for restaurants

Whoop! | Tufts Hackathon 2016
- Developed a vacation itinerary planner that displays attractions and upcoming events on a map in a team of three
- Full stack development using HTML5, CSS, Express + Node.js, Google Maps API, and TripAdvisor API

Incident Tracker
- Developed a Ruby on Rails application used to track user-submitted incidents and display them on a timeline in a team of three
- Developed a RESTful API to manipulate the incident and user data in the PostgreSQL database

Urban Translate | Tufts Hackathon 2015
- Developed a Google Chrome extension that provides the top UrbanDictionary definition for user-inputted terms
- Wrote a script that creates a bubble overlay containing the definition for highlighted terms

ACTIVITIES

JumboCode   September 2016 – January 2017
- Developed a mobile application for Tufts Admissions to help prospective students navigate Tufts' preview day
- Developed using an Ionic framework, Angular.js, MongoDB, Google Maps API, and Node.js in a team of eight
- Published to the App Store and Google Play, accumulating approximately 650 downloads