Bradon Zhang

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Education

University of Florida – B.S. in Computer Science, B.S. in Statistics　　　　　　　　December 2021
- ❖ 4.00/4.00 GPA
- ❖ Honors Program & Undergraduate Research Scholars Program
- ❖ Relevant Coursework: Data Structures, Information and Database Systems, Intro to Software Engineering, Programming Language Concepts, Operating Systems, Regression Analysis, Competitive Programming

Skills

- ❖ Experienced with **Python**, **JavaScript**, **TypeScript**, **React.js**, **React Native**, **C++**, and **Git**
- ❖ Familiar with **Express.js**, **SQL**, **MongoDB**, **Firebase**, **Java**, **Haskell**, **R**, and **PHP**

Work Experience

Software Developer Internship　　　　　　　　May 2019 – August 2019
SiteForm, Gainesville, FL
- ❖ Used React Native with TypeScript to build a startup mobile app for construction workers and general contractors, digitalizing construction paperwork and promoting jobsite safety
- ❖ Wrote backend functions, such as to send emails and generate PDFs, using Node.js and Firebase
- ❖ Created a landing page for the SiteForm app using HTML5, CSS3, Bootstrap, and JavaScript (with AJAX)

Web Developer Internship　　　　　　　　May 2018 – August 2018
University of South Florida, Tampa, FL
- ❖ Created a web UI with JavaScript and PHP to showcase Dr. Yicheng Tu's massive parallel computing research
- ❖ Designed a web UI to dynamically visualize the sales data used in Dr. Tu's research by using HTML5, CSS3, and D3.js

Projects

Cincinnati Symphony Orchestra Audition Scheduler　　　　　　　　September 2020
- ❖ Developed a web app with React.js, Express.js, and SQLite to schedule and streamline auditions for the orchestra
- ❖ Integrated the scheduling system with SMS reminders using the Twilio API
- ❖ Implemented a login system with Passport.js authentication and JSON Web Token (JWT) authorization
- ❖ Designed a dynamic user interface using React.js with TypeScript, React Router, and Material UI

Neuro6 – Neurosurgery Appointment Service　　　　　　　　February 2020 – May 2020
- ❖ Designed and implemented a web application with React.js, React Router, and Ant Design for the Univ. of Florida Department of Neurosurgery to schedule, manage, and create reminders for appointments
- ❖ Created REST API endpoints for appointments and logins using Node.js and Express.js, integrated with MongoDB
- ❖ Integrated appointment reminder emails with the Mailgun API

twelve, an iOS/Android Puzzle Game　　　　　　　　October 2019 – Present
- ❖ Create a puzzle game for iOS/Android using React Native (TypeScript) with Expo to build and deploy
- ❖ Implement complex and unique level features using Redux, Animated, PanResponder, styled-components, react-navigation, react-native-gesture-handler, and react-native-svg

Minesweeper Solver Bot　　　　　　　　April 2019
- ❖ Created a bot in Python to solve expert mode Minesweeper on MinesweeperOnline.com
- ❖ Achieved a record time of 54 seconds using the ImageGrab screen capture module and the PyAutoGUI GUI module

Honors and Awards

Google Hash Code 2019 Competitor　　　　　　　　February 2019
- ❖ Worked in a team of four to solve and optimize a coding problem using Python
- ❖ Scored first place in the University of Florida out of eight teams and 85th percentile in the U.S.

Bloomberg Global CodeCon 2019 Qualifier　　　　　　　　November 2018
- ❖ Won second place out of one hundred in the University of Florida qualifying round
- ❖ Used Python to solve coding problems provided