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, Regression Analysis, Competitive Programming

Skills

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

Work Experience

Software Developer Internship   Summer 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   Summer 2017, Summer 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 HTML, CSS, and D3.js

Independent Projects

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

lmao-bot, a Discord Bot   June 2018 – December 2018
- ❖ Created, managed, and maintained lmao-bot with Python
- ❖ Used the API of the text and voice chat app Discord to add social and administrative features to over 3900 Discord servers

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

Leadership

Treasurer of Game Developers' Association   April 2019 – Present
University of Florida, Gainesville, FL
- ❖ Work with other club members to create video games from scratch
- ❖ Learn game development using Unity