Bradon Zhang

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Education

University of Florida – B.S. in Computer Science, B.S. in Statistics   May 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 Native**, **C++**, and **Git**
- ❖ Familiar with **React.js**, **Express.js**, **SQL**, **Firebase**, **Java**, **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
- ❖ Creating a puzzle game for iOS/Android using React Native (TypeScript) with Expo to build and deploy
- ❖ Adding 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 Discord servers
- ❖ Currently being used by 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
- ❖ Working with other club members to create video games from scratch
- ❖ Learning game development using Unity