BARATH TIRUMALA

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EDUCATION
Bachelor of Science Degree in Computer Science, Expected Graduation: May 2020
University of Central Florida – Orlando, FL – GPA: 3.4
- **Minor: Business Administration**
- **Awards & Honors:** President's Honor Roll, Deans List

SKILLS
- **Proficient in**: C, C++, Java, JavaScript, Python, HTML, CSS, Haskell, R, C#
- **Prior Experience in**: Node.js, jQuery, Batch
- **Frameworks/Libraries/Tools**: Google App Engine, Java FX, Git, JSON, CSV

PROJECTS
- **Puzzlebot -** (Java) Solves series of puzzles using a user-inputted bot. Can solve a given maze or word-search puzzle within a given number of moves. Can also act as an opposing player in Tic-tac-toe.
- **Ballcount –** Android app to measure and keep track of shot percentages while playing basketball.
- **Personalize Assistant –** (Python and Node.js) Desktop application that serves as an assistant. User is capable of communicating with interface to interact and schedule daily tasks for it. This then communicates with Node.JS implemented server-side to pass information back and forth from user. GUI implemented in pythons tkinter library to properly transfer over devices with relative ease.
- **Game Platform –** (JavaScript/HTML/CSS) Online version of game platform capable of hangman and standard shooting arcade type game.

EXPERIENCE
Simulation Systems Intern | Mitre Corporation   **Feb. 2018 – Current**
- Optimized simulation equipment to train soldiers by implementing native web application for proper casualty combat care
- Developed into standalone application in C++ as a virtual simulation development environment.
- Optimized existing code to run faster
- Converted web application into mobile app development

Programming & Calculus Tutor | Chegg   **May 2017 – August 2017**
- Tutored college students in C/Java Programming and Calculus
- Tutored approximately 5 students a week with help on their homework problems or to learn a specific concept or topic.

Software Intern | 360fly   **March 2016 – May 2016**
- Assisted senior developers by processing and managing digital video files
- Coded firmware for 360 video cameras using C and C++
- Implemented storage algorithms to help reduce necessary space

ORGANIZATIONS
- UCF Programming Team & HACK Club
- UCF Indian Student Organization
- Vice President of UCF Bhangra Team