Suvrat Jain

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Portfolio: http://suvratjain.com

Education

University of Central Florida, Orlando, FL — December 2019

Major: Bachelor of Science in Computer Engineering — GPA: 3.7

Minor: Intelligent Robotic Systems

Relevant Coursework:

- Completed: Computer Science, OOP, Operating Systems, Computer Architecture, Embedded Systems
- Currently Enrolled: Electronics 2, AI for Game Programming, Introduction to Robotics, Computer Networks

Skills

Programming Languages	Software Tools	Hardware Tools	Spoken Languages	Other
Java	Git/GitHub	Raspberry Pi	English	Data Structures
C/C++	Terminal	Arduino	Hindi	Algorithms
Python	Unity (Game Engine)	MSP 430	Punjabi	Computer Networking
Go	Eagle CAD	Atmel	Spanish (Basic)	Electrical Networks
Bash	Multisim	Soldering		
Assembly	Code Composer Studio	Oscilloscope		

Professional Experience

Universal Creative (Orlando, FL) – Engineering Intern — August 2018 – Present

- Implementing non-GPS navigation system for UAVs by reengineering the onboard computer
- Making test plans for R&D purposes and documenting the strengths and limitations of the system
- Developing and maintaining vendor relations by organizing meetings and keeping up with project development
- Presenting the project to Universal's creative team to discuss the potential use of this technology in the parks

PraxSoft Inc. (Orlando, FL) – *Assistant Engineer* — May 2017 – November 2018

- Worked with wireless sensors and embedded controllers for commercial and R&D applications
- Tested and Troubleshot sensors and PCBs using analysis tools such as Terminal and Electrical Schematics
- Conducted data analysis and generated technical reports that were turned in to FDOT
- Maintained strong customer relations by providing quick feedback and assistance when required

Projects

Android App – *Project Manager & Software Developer* — June 2018 – August 2018

- Designed a Rock Paper Scissors Android app that supported multiplayer gaming sessions
- Configured a full LAMP stack on a Raspberry Pi to use it as a server for deployment
- Organized the project and delivered an investment pitch for class presentation

IEEE PES Water Analogy of a Circuit – *PCB Designer* — February 2018 – May 2018

- Determined the required components to demonstrate the theory of an electrical network using water
- Designed the layout of the sensor placement and integration using custom designed PCB & Raspberry Pi
- Collaborated with the team on a weekly basis to monitor the development of the project

Campus Involvement

Tau Beta Pi Engineering National Honor Society – *Secretary*

IEEE PES – *Member*