MANPREET DHINDSA

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Education

University of California, Irvine   Sep. 2015 – Jun. 2019
B.S. in Computer Engineering
GPA: 3.3
Accomplishments: *Dean's Honor List*

Technical Skills

Programming: Python, SQL, Java, C, C#, C++, HTML, SystemVerilog
Technologies: Github, Linux, Android Studio, Visual Studio

Experience

Software Integration Test Engineer @ Karl Storz Imaging (Goleta, California)
Oct. 2019 – Present
- Develop custom software and use existing software platform to perform integration testing
- Write automated test scripts and perform fully/semi-automated testing
- Perform 'White Box' intrusive and 'Black Box' verification testing

Technical Research Assistant @ UC Irvine Henry Samueli School of Engineering
Oct. 2017 – Mar. 2018
- Designed and tested mixed-analog circuits using oscilloscopes and analog discovery 2
- Wrote scripts to process datasets and outputs

Web Development Intern @ UC Irvine Paul Merage School of Business
Oct. 2016 – Mar. 2017
- Worked on web development for the release of redesigned school website (merage.uci.edu)

Projects

SolarPedal (Java, Python, Raspberry Pi)   Winter 2019
- Created a portable electric source that used solar cells to power devices
- Designed an application to display trends of energy using current and voltage sensors

Database Web Application (Java, HTML, MySQL)   Fall 2018
- Developed a webpage designed to interact with MySQL database
- Webpage allowed users unfamiliar with MySQL to access and use the database

Smart Home Controller (Python, Raspberry Pi)   Spring 2018
- Created a home monitoring device that read sensors to detect light activation, movement, and change in temperature (fire detection)
- When threatening activity was detected, an email and SMS were sent to the home owner/s