

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++, HTML, SystemVerilog

Technologies: Github, Linux, Android Studio

Experience

Technical Research Assistant @ UC Irvine Henry Samueli School of Engineering

Oct. 2017 – Mar. 2018

- Designing and building mixed-analog circuits using function generators and voltmeters
- Testing 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 uses 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

- Designed a database for Art (includes artists, works, and galleries)
- Developed a webpage designed to interact with the Art database
- Webpage allows users that are unfamiliar with MySQL to access and use the database

Smart Home Controller (Python, Raspberry Pi)

Spring 2018

- Created a home monitoring device that reads sensors to detect light activation, movement, or change in temperature (fire detection)
- If threatening activity is detected, an email and SMS are sent to the home owner/s