Andrea Sudharta

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Education

University of California San Diego   B.S. Math and Computer Science

La Jolla, CA | Expected graduation in 2021 | GPA 3.4

- Studied OOP, Intro to Data Structures, Software Tools and Techniques, Intro to HCI, Intro to Data Science
- **SPLASH Instructor – Data Analysis with Mario Kart** (taught high school students **linear regression** basics)
- **Chair of Residence Hall Council** (Warren CleRHCs)
- **SDHacks 2019 Organizer**
- Provost Honors 2018 and 2019

Skills

Languages: Java, C, C++, Python, JavaScript, HTML, CSS, XML, R

Frameworks/Libraries: React.js, Django, Bootstrap, jQuery, Flask, SCSS, AJAX

Other Tools: Bash scripting, Git/GitHub, Google Cloud API, Heroku

Experience

UCSD School of Medicine Data Programmer   github.com/UCSDMed/Department-Financial-System

March 2019 - Present

- Prototyped and built a Django web application in support of financial analysis and reporting activities
- Integrated Python scripts for connecting to and processing data from a SQL database
- Developed and integrated moderately complex transactional T-SQL queries onto a website

Projects

Maze Rescue   github.com/absambam/Maze-Rescue

April 6 2019 – April 7 2019 | HackXX 2019 Submission – 2nd Place

- Online video game in which you solve a complex puzzle and answer questions relating to women in STEM
- Implemented using jQuery, HTML, and CSS a puzzle grid and character movement
- Debugged with JavaScript errors relating to faulty movement and element positioning

CardConnect   github.com/annsudhart/COGS120-CardConnect

January 2019 –March 2019

- Node.js powered web application that keeps track of business cards and the contact information in them
- Used Google Analytics to perform A/B testing and measure metrics such as clicks and page visits
- Co-designed and Implemented UI mockups, implemented JavaScript contact search bar

Automatic Trash Sorter   github.com/annsudhart/Trash-Sorter-IEEE-QP-

October 2018 – December 2018 | IEEE Quarterly Project Event Submission – 1st Place

- Smart trash can that takes a picture of your waste, sorts it to recycling, compost, or trash, and dumps it in the corresponding bin
- Added images of general, recyclable, and compostable waste to TensorFlow training set
- Programmed motors to dump trash and rotate trash bins through the Raspberry Pi using GPIO