

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 3.2

- Studied OOP, Intro to Data Structures, Software Tools and Techniques
 - Women in Computing (WiC) member
 - Chair of Residence Hall Council (Warren CleRHCs)
 - Provost Honors Fall 2018
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Skills

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

Frameworks/Libraries: Bootstrap, jQuery, Flask

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

Relevant Experience

[Yonder Dynamics Webmaster](#)

yonderdynamics.space

May 2017 - Present

- Created and maintained the website for Yonder Dynamics, a student robotics organization
- Leveraged Bootstrap, jQuery, HTML and CSS to enhance responsive, mobile-first design
- Customized Bootstrap utilities to better suit the function of the website
- Manipulated SVG code to integrate responsive vector images to webpages

[Carbon Footprint Calculator](#)

github.com/absambam/Carbon-Footprint-Calculator

October 12 - October 14, 2018 (SDHacks submission)

- A Flask powered web application that takes your starting point, destination, and MPG, and uses that to calculate how much carbon dioxide is emitted
- Integrated Google Maps Directions Matrix API into Flask backend structure to give people directions from one place to another
- Designed and implemented user interface for inputting start and end destinations
- Challenges faced: learning how to use APIs, integrating Python with HTML

[ANY-A](#)

annsudhart.github.io/hackxx2018

April 7 – April 8, 2018 (HackXX 2018 Hackathon – First place submission)

- Developed a landing website and Java applet that encourages girls to improve their math skills
 - Used HTML, CSS, and JavaScript that provides a link and helpful information for our project
 - Added error handling for user input and utilized OOP practices for the Java applet
 - Designed mobile-first and integrated website with actual program
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Hobbies

- Trilingual in English (Native), Indonesian (Proficient), and Japanese (Proficient)
- Piano player for 14 years