Shalini Rao

shalinidrao.com

sdrao@andrew.cmu.edu • (949) 413-0217

EDUCATION & CREDENTIALS

CARNEGIE MELLON UNIVERSITY, Pittsburgh, PA

BS in Information Systems, pursuing minor in Human Computer Interaction; anticipated graduation in May 2022

Relevant Coursework: 15-122 Principles of Imperative Computation, 67-250 Information Systems Milieux,

15-112 Fundamentals of Programming and Computer Science, 36-202 Methods for Statistical Data Science

NORTHWOOD HIGH SCHOOL, Irvine, CA

Graduated with High Honors in June 2018 with a GPA of 4.21

Notable Accomplishments: Principal's Honor Roll: Every semester from 2014-2018, Charter Oak Academic Excellence Awards: 2014, 2016, National Merit Commended Scholar: September 2017

TECHNICAL SKILLS

- Excellent communication and interpersonal skills
- Microsoft Office (Excel, Word, Powerpoint)
- Proficient in Java, Python, R, Object Oriented Programming, HTML5/CSS
- Experience with C, Javascript, and MySQL

PROJECTS

- **Disease Data Visualizer (2019)** – Developed a model for the spread of disease, given infection rates and population density, implemented with Python (Numpy), Node, differential equations, and linear transformations
- **Keyboard Dance Game (2018)** – Developed a beats tracking algorithm to create a tempo tracking game, implemented with Pygame, PyAudio, and Sprites
- **Model Smart Home (2017)** – implemented an embedded system to improve human computer interaction at home, created with Linux, Python, and various I/O hardware

WORK EXPERIENCE AND VOLUNTEERING

ORANGE COUNTY HIGH SCHOOL ESPORTS LEAGUE, *Orange County, CA*

COMMUNITY BOARD MEMBER (September 2017—May 2018)

Work with university faculty, corporate sponsors, and school district administration to create a regional high school gaming league, organize events and community outreach, develop league structure and bylaws

NORTHWOOD SPEECH AND DEBATE, *Northwood High School*

SPEECH CAPTAIN, PUBLICITY (August 2014—June 2018)

Compete in regional and state tournaments, monitor grades and performance of 40 class and club members, plan and host biannual tournaments, update website and Facebook group with regular announcements, manage reimbursements

GIRL SCOUTS, *Orange County, CA*

TROOP PRESIDENT (January 2008—June 2018)

Perform administrative tasks for county council, manage troop funds and documentation, complete annual community service hours, act as liaison with Girl Scout Council, learn leadership and collaboration skills

Notable Accomplishments:

- Gold Award: September 2017 – Started a schoolwide campaign to reduce the stigma surrounding mental health