JASON HSU

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EDUCATION

University of California, San Diego   Jan 2021 - June 2023
B.S in Machine Learning and Neural Computation
Minor in Computer Science
- Coursework: Data Structures and Algorithms (Java), Supervised and Unsupervised ML (Python)
- GPA: 3.82 with Provost Honors

WORK EXPERIENCE

Northrop Grumman (High School Internship Program)   March 2018 - June 2018
System Security/Software Engineering Intern   San Diego, CA
- Worked closely with both Security Engineer and Software Engineer teams to fulfill team needs.
- Designed a Python script that extracts 1000+ Common Vulnerabilities and Exposures security patches each month and exports organized CSV format report for security engineers to review.

COLLABORATIVE PROJECTS

Type 1 Diabetes Care Directive (https://github.com/jhcode14/t1d-fall2021)
- Affiliated with UCSD Design Lab. I closely work with UI/UX team and Type 1 diabetes patients to create safer and more efficient communication between doctors and Type1 diabetes patients in an emergency.

What Affects Our Happiness
- COGS 109 Modeling and Data Analysis course group project
- Used Multiple Linear Regression and LASSO models, in addition to techniques such as Best Subset Selection, K-Fold Cross Validation to determine what factors greatly affect people's happiness.

PERSONAL PROJECTS

Personal Webpage (https://jhcode14.github.io/personal-webpage/)
- Developed my front-end static web portfolio using JavaScript, Typescript, React.js, Next.js, and Node.js.

Costco Item Tracker (https://github.com/jhcode14/Costco_Item_Tracker)
- Designed a Python-based software that retrieves information on Costco items from its website.

VOLUNTEERING

UCR School of Medicine Stroke Lab Research   July 2019 - September 2019
Research Assistant   Riverside, CA
- Worked with a diverse team and took on responsibility in project planning, and presenting.
- Assisted research on Neuregulin-1, a cell adhesion molecule that helps patients recover from an ischemic stroke, by culturing neuroblastoma cells, sectioning the mouse brain for study.

Kaiser Permanente Hospital   September 2019 - March 2020
Emergency Department Care Ambassador   Riverside, CA
- Acquired efficient communication skills in a chaotic environment to effectively work as a team.
- Learned to quickly adapt to new situations and manage time efficiently to best support doctors and nurses.
- Shadowed and assisted doctors and nurses for over 80 hours of commitment at the emergency department.

PROGRAMMING LANGUAGES AND SKILLS

- **Languages**: Python, Java, JavaScript/HTML/CSS, TypeScript
- **Technologies**: Unix/Linux, React.JS, Next.JS, Node.JS , Git, Jupyter Notebook, Microsoft Office