

JASON HSU

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EDUCATION

University of California, San Diego

Graduation Date: June 2023

B.S in Machine Learning and Neural Computation with a minor in Computer Science

GPA: 3.79 with Provost Honors 2021

University of California, Riverside

Transferred Date: September 2020

Coursework in Neuroscience

GPA: 3.72 with Dean's Honors 2020

TECHNICAL EXPERIENCE

Northrop Grumman (High School Internship Program)

March 2018 - June 2018

System Security/Software Engineering Intern

San Diego, CA

- Worked closely with both Security Engineers and Software Engineers to fulfill company and customer needs.
- Designed a Python script which extracts 1000+ Common Vulnerabilities and Exposures (CVE) security patches each month and exports organized information through CSV format for security engineers to review.

PROGRAMMING LANGUAGES AND TECHNOLOGIES

- **Languages:** Python, Java, JavaScript/HTML/CSS, TypeScript
- **Technologies:** React.JS, Next.JS, Git, MATLAB

INDEPENDENT PROJECTS

Personal Webpage (<https://github.com/jhcode14/personal-webpage>)

- Utilized JavaScript, Typescript, React.js, and Next.js to develop a web portfolio.

Costco Item Tracker (https://github.com/jhcode14/Costco_Item_Tracker)

- Designed a Python based software that retrieves information of Costco items from its website.
- Utilized object-oriented programming, and pre-built libraries such as Tkinter and Request.

CERTIFICATES

Object-Oriented Programming in Java

October 2020

Online course offered by UC San Diego at Coursera

Neural Networks and Deep Learning

April 2021

Online course offered by DeepLearning.AI at Coursera

OTHER EXPERIENCE

UCR School of Medicine Stroke Lab Research

July 2019 - September 2019

Research Assistant

Riverside, CA

- Worked with a diverse team and learned key skills to teamwork such as taking on responsibility, partake in project planning, and presenting in weekly meetings.
- 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 the chaotic environment.
- 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.

ORGANIZATIONS: UCSD ACM (21'), UCR Mini Medical School (19'-20'), UCR Environmental Club (18'-20')

AWARDS: Benjamin A. Gilman International Scholarship (Nominated), Freeman-Asia Scholarship (Nominated)