Yun-Chen Hung

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EDUCATION

University of California, San Diego   June 2025
B.S. Data Science & B.S. Cognitive Science   *Current GPA: 3.96/4.0*

COURSEWORK

Courses: Object-Oriented Programming, Data Structures & Algorithms, Embedded Systems, Linear Algebra, Calculus, Probability & Statistics, Machine Learning, Neuroanatomy and Physiology, Interaction Design
Awards: Provost Honors (7x)

SKILLS

Languages: Python, Java, C++, JavaScript, HTML/CSS, LaTeX, R, MATLAB, SQL
Tools: Git/GitHub, VS Code, IntelliJ

Libraries: pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn

ACTIVITIES & PROJECTS

Food.com-Minutes-Prediction | *Scikit-Learn, Pandas, NumPy, Plotly, Github, VS Code*   Dec. 2023
- Built a Decision Tree Regressor to predict the number of minutes a recipe from Food.com would take
- Conducted permutation testing to ensure fairness of model regardless of which year the recipe was produced
- Co-wrote a short blog website to showcase project – https://aparaselli.github.io/Food.com-Minutes-Prediction/

Freshest App | *HTML, CSS, JavaScript, Figma, VS Code*   Dec. 2023
- Designed a basic app as a website with vanilla HTML/ CSS to help consumers select the freshest produce
- Discussed and received feedback on user interaction and design from 20+ peers, conducted usability testing

Personal Website | *HTML/CSS, JavaScript, VS Code*   Dec. 2023 – Present
- Used Github Pages, HTML, CSS, and JavaScript to create a website to record my projects

Data Science Student Society (DS3) | *DataHacks Subcommittee*   Sep. 2023 – Present
- Reached out to 20+ companies for sponsorship on annual hackathon

EXPERIENCE

Perception and Cognition Lab (Serences Lab @ UCSD | *Research Assistant*   Apr. 2023 – Present
- Used NumPy and Pandas in Google Colaboratory for data analysis on results of visual attention research
- Scheduled and ran 50+ subjects on behavioral studies and collected consent forms, set up 2 experiments
- Presented and participated in visual working memory monthly journal club

Qualcomm Institute Nano3 Cleanroom | *Lab Assistant*   Jan. 2022 – Jan 2024
- Proficient in training 30+ Nano3 users on tools (Heidelberg MLA 150, ellipsometers and mask aligners)
- Experience in making samples for prominent companies with dry etching using the Oxford Plasmalab 80, microfabrication with the EVG 620 Mask Aligner, and thin metal deposition with Denton Discovery 635
- An efficient and careful lab assistant, completing weekly flood exposure projects for 31 samples in 3 hours

Neuroscience Program of Academia Sinica (NPAS) | *Summer Intern*   Jul. 2022 – Aug. 2022
- Observed the migration and differentiation of neuroblastoma under an oxygen gradient for 8 weeks
- Voluntarily made and presented 8 comprehensive weekly lab reports via PowerPoint to Dr. Yi-Chung Tung
- Shared the results of the research in a 10-minute presentation to 30+ interns and researchers of NPAS