Chia-Chan (Henry) Ho

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EDUCATION

University of Pennsylvania, Philadelphia   **Expected Dec 2027**
Master of Science in Engineering in **Systems Engineering**

University of California, San Diego   **Sep 2022 - Jun 2025**
Bachelor of Arts in **International Business**, *Minor* in **Data Science**   **GPA: 3.85/4.0**
Honors: Provost Honors in Fall 2022, Winter 2023, Fall 2023, Winter 2024, and Spring 2024
Relevant Courses: Data Structure and Algorithms, Machine Learning, Data Manipulation and Visualization, Linear Algebra

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PROJECTS & EXPERIENCE

LPL vs LCK Playing Style Analysis, San Diego, CA   **Mar 2024 – June 2024**

- Conducted an in-depth analysis of playing styles between the LPL and LCK leagues in League of Legends, utilized Python libraries (e.g., Pandas, NumPy, Scikit-learn) for data preprocessing, feature extraction, and model building.
- Developed predictive models to classify games based on league, achieving significant accuracy improvements through feature expansion and hyperparameter tuning.
- Published a comprehensive report detailing findings, methodologies, and insights on the project's website.

Data Science Educational Platform Development, San Diego, CA   **Sep 2023 – Dec 2023**
Tutor: Prof. Suraj Rampure, Prof. Janine Tiefenbruck, Prof. Rod Albuyeh

- Collaborated in the development of an educational website featuring past exam questions for data science students.
- Streamlined content management by efficiently handling GitHub repositories, focusing on Markdown file optimization and code updates, ensuring the website's content was accurate and beneficial for student learning.
- Developed comprehensive solutions and explanations for past exam questions, enhancing the website's value as a study tool by providing students with clear guidance and insights for self-assessment.

BabyPandas Documentation Development, San Diego, CA   **Apr 2024 – Jun 2024**
Tutor: Prof. Janine Tiefenbruck

- Developed the documentation for the BabyPandas Python module using Python, Markdown, and GitHub.
- Developed and updated content of BabyPandas Function, including planning the documentation structure, writing and updating the content, and publishing the documentation.

Halıcıoğlu Data Science Institute at UC San Diego   **San Diego, CA**
DSC10/DSC20 Course Instructional Assistant   **Sep 2023 – Aug 2024**

- Utilized Python to clarify complex concepts, foster engagement, and facilitate comprehensive learning experiences during weekly discussions and office hours.
- Collaborated with faculty to refine course content and assess student work, providing feedback to drive improvement.
- Guided students through complex data science problems, encouraging critical thinking and fostering a deeper understanding of data science principles.

Roshow Group   **Zhejiang, China**
Software Engineer Intern (remote)   **May 2024 – Aug 2024**

- Collaborated in project design and development, coding and testing, and technical documentation and project reports.
- Participated in multiple projects on AI and cloud computing, assisting in development and testing phases to ensure that technical solutions efficiently meet business requirements.
- Participated in the development of an internal generative AI platform to support text summarization and topic extraction requests for over 200 engineers, enhancing cross-functional collaboration.

SKILLS & INTERESTS

- **Data Science & Programming:** Python (NumPy, Pandas, Scikit-learn), Java, SQL, JavaScript, CSS, HTML, C++, MATLAB
- **Software Familiarity:** MS Office Suite (Word, PowerPoint, Excel, Power BI)
- **Languages:** English (language of college education), Japanese (JLPT N2 certified), Mandarin and Taiwanese (Native)
- **Interests:** Guitar, Piano, Listening to Music, Video games, Skiing, Sports