

Seung Hyun Harry Cheon

Research Assistant @ Human Centered ML Lab
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EDUCATION

University of California, San Diego

B.S. in Applied Mathematics, GPA 3.99/4.00, Summa Cum Laude

La Jolla, CA

September 2018 – March 2024

- Leave of absence from June 2019 – August 2021 (2 years) due to mandatory military service as a South Korean citizen

Li Po Chun United World College of Hong Kong

International Baccalaureate Diploma

Hong Kong

August 2016 – May 2018

- Extended Essay on Mathematics: Using Markov Chains to Predict Baseball Pitching

RESEARCH EXPERIENCE

Human Centered ML Lab

Research Assistant

University of California, San Diego

November 2023 – Present

- Topics: Algorithmic recourse, failure modes of explainability methods

Intel–HDSI Research Collaboration

Project Leader

University of California, San Diego

January 2023 – October 2023

- Computer CPU power consumption pattern analysis based off of Intel's telemetry data. Findings inspired several internal investigations. Published internal whitepaper and presented results to senior management. Fully funded by Intel

DigiHealth Lab

Undergraduate Research Assistant

University of California, San Diego

November 2021 – December 2022

- Built data pipeline and machine learning model to predict cognitive impairment severity from smartphone-based pupillometer deployment data. Funded in part by UCSD Division of Physical Sciences Undergraduate Summer Research Award.

WORK EXPERIENCE

Quantitative & Data Analytics Intern

StepStone Group

La Jolla, CA

June 2023 – August 2023

- Conducted statistical analysis on large fund performance datasets to identify trends, patterns, and insights
- Analyzed and modeled secondary fund performances as a part of the Secondaries Project aimed to aid secondary buyout fund investment decisions
- Assisted in data cleansing, data mining, and data preprocessing tasks to ensure data accuracy and quality

TEACHING EXPERIENCE

Instructional Assistant

Halicioğlu Data Science Institute, University of California, San Diego

La Jolla, CA

September 2021 – March 2024

- DSC 10. Principles of Data Science
- DSC 40A. Theoretical Foundations of Data Science I
- DSC 40B. Theoretical Foundations of Data Science II
- DSC 140A. Probabilistic Modeling and Machine Learning

PRESENTATIONS

Sep 2022 PupilAlz: Deploying smartphone-based pupillometers to explore Alzheimer's disease detection (La Jolla, CA)

Division of Physical Sciences Undergraduate Summer Research Award Presentation

AWARDS & HONORS

2022 Division of Physical Sciences Undergraduate Summer Research Award

2018-2023 Warren College Provost Honors

LEADERSHIP & SERVICE

Society of Undergraduate Mathematics Students

President, Vice President Internal, Secretary

University of California, San Diego

September 2021 – March 2024

- Fostered an inclusive math community at UCSD by hosting workshops and social events
- Led successful rebound after the COVID-19 pandemic, doubling event attendance and membership
- Organized mentorship program for undergraduate students, connecting them with other undergraduate or graduate mentors

Korean Augmentation to the U.S. Army

Camp Humphreys, South Korea

Platoon Sergeant, CBRN Specialist

October 2019 – May 2021

- Led a platoon consisting of 15 soldiers, taking care of their physical and mental health, ensuring their mission readiness during the COVID-19 pandemic
- Received 1 Army Commendation Medal, 6 commander coins, 1 Certificate of Appreciation