

JAEWON LEE

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Education

University of California, Berkeley

Bachelor of Science in Electrical Engineering and Computer Sciences
Regents' and Chancellor's Scholar

August 2021 – Present

Berkeley, California

Relevant Coursework

- Structure and Interpretation of Computer Programs
- Data Structures
- Designing Information Devices and Systems I
- Designing Information Devices and Systems II
- Multivariable Calculus
- Introduction to Probability and Statistics
- Discrete Mathematics and Probability Theory *
- Great Ideas in Computer Architecture (Machine Structures) *
- Machine Learning (Stanford University) **
- Computer Science: Algorithms, Theory, and Machines (Princeton University) **
- Introduction to Mathematical Thinking (Stanford University) **

*: planning to take next semester

**: taken on Coursera; all other courses are taken at UC Berkeley

Experience

Australasia Youth Cubesat Initiative

2019 – Present

Co-Founder, VP Software Engineering, and USA Representative

USA and Oceania

- Co-found cube satellite company in Oceania and legally incorporate under the Australian government.
- Lead meetings with company's board of directors.
- Research and implement software for company's cube satellite.
- Create in-house programming boot camp course for new members joining the SW department.

UC Berkeley Neuroeconomics Laboratory

August 2021 – Present

Undergraduate Research Assistant

Berkeley, CA

- Conduct research in diachronic lexical semantic change under the direct supervision of Professor Ming Hsu.
- Perform natural language processing (NLP) to analyze the Corpus of Historical American English (COHA).
- Present findings in weekly meetings; last semester's findings accumulated in a research symposium presentation.

ML Safety Scholars Program

Summer 2022

Scholar

Stanford, CA

- Accepted for a paid, 9-week summer program designed to help undergraduate students gain skills in machine learning, funded by the FTX Future Fund.
- Collaborate with other members within the Effective Altruism community to acquire skills for empirical AI safety research in the future.

The DeCal Board at UC Berkeley

March 2022 – Present

Webmaster and Board Member

Berkeley, CA

- Maintain and develop the official DeCal website of UC Berkeley (<https://decal.berkeley.edu/>).
- Lead a team of ten people in the development the DeCal website.
- Currently working to revamp/overhaul the entire website.

Stanford Healthcare

January 2022 – Present

Project Assistant

Oakland, CA

- Join Stanford Healthcare as a project assistant.
- Current work on machine learning solution to solve the inbox problem that many physicians face.

Wavus Co., Ltd.

Summer 2019

Intern, Software Department and Overseas Department

Seoul, South Korea

- Developed GIS (geographic information system) by simultaneously superimposing vector data.
- Drafted joint-venture contract with Korea Electric Power Corporation (KEPCO) in response to a request for proposal (RFP) by the Bangladesh Power Development Board.
- Worked as bridge between the Software Department and the Overseas Department.

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Eclipse, IntelliJ, PyCharm, Xcode

Technologies/Frameworks: GitHub, JUnit