Chan Lee

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EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE, CA **Expected May 2024**

Master's Degree, Computer Science

UNIVERSITY OF COLORADO, BOULDER, CO **May 2020**

Bachelor's Degree, Computer Science (Graduated with Distinction)

- **GPA**: 3.87/4.0 (Computer Science GPA 3.95/4.0)
- **Dean's List**: FA 2018, SP 2019, FA 2019, SP 2020

REED COLLEGE, PORTLAND, OR **August 2011 - December 2017**

Bachelor's Degree, Math

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER: LG ELECTRONICS: Pyeongtaek, Korea **April 2021 - June 2022**

- Designed and implemented a medical calibration software, a desktop application that calibrates medical monitors with custom user input utilizing MariaDB, C#, .Net Framework

SOFTWARE ENGINEER: LINEWALKS: Seoul, Korea **November 2020 - March 2021**

- Designed and implemented a machine learning serving server for 'mdwalks-EXI project', a web application developed to track and notify prediction of heart risk disease per patient based on their medical data, allowing users to upload and update newly built ML models; acquire prediction data in batch size for newly pre-processed data utilizing strategy pattern, Celery, Redis, and Python.

SOFTWARE ENGINEER INTERN: BENEDLY : Seoul, Korea **June 2020 - September 2020**

- (Application Download URL: https://apps.apple.com/kr/app/lundi/id1501109408)
- Researched and Implemented optimization of the Haversine algorithm, an algorithm used to find distance using latitude and longitude, which reduced the time to 50% from that of the original search.
- Developed back-end for the subscription module for the 'Lundi', an app developed for a take-out platform service, allowing subscribed users to purchase and order subscribed menus from the restaurants in a specific time frame utilizing Java spring-framework, MySQL.
- Developed back-end for the version1 production of '100mkm', an app related to bike, allowing the users to register, login, and track their ride histories utilizing Java spring framework, JWT, and MySQL.

DATA ANALYST ENGINEER INTERN: OLULO CORPORATION: Seoul, Korea **May 2019 - August 2019**

- Leading company in the electric scooter sharing service known as 'Kickgoing' in South Korea.
- Developed key pattern identification to improve electric scooter arrangement efficiency using python, pandas, NumPy.
- Designed and implemented a mapping tool to analyze large data sets, identifying patterns of user behaviors utilizing HTML, CSS,and libraries such as leaflet JS, Marker Cluster, pandas.

RESEARCH ASSISTANT: Dr.Peleg's Lab : University of Colorado, Boulder **January 2019 - May 2019**

- Contributed to the Optimal Intermittent Reorientation Project conducted by professor Orit Peleg.
- Extracted trajectories from videos using python with OpenCV**,** tools to gather data; assisted research in the deep reinforcement learning model.

REPUBLIC OF KOREA ARMY: Seoul, Korea **June 2014 - June 2016**

SKILLS

Programming Languages: Java, Python, C++, C#, Kotlin, HTML, CSS, Javascript
Tools: Git, Spring Framework, .Net Framework, Jupyter Notebook, Django, Flask, Pandas, Qt, PostgreSQL, MySQL

PERSONAL PROJECTS

BATTLESHIP+ GAME: University of Colorado, Boulder **April 2020 - May 2020**
(https://github.com/citz73/battleship_game)

- Designed and developed an application using Qt, C++, while utilizing a factory pattern, multi-player functionality. Users can play the classic battleship-like game.