

An Lee

NEW GRAD SOFTWARE ENGINEER | TECHNOLOGY ENTHUSIAST

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Profile

New York University grad student with a strong academic background in Computer Science, experience in Back-end development focused on python and APIs, and successes in team collaboration and solution brainstorming.

Education

New York University, Courant Institute of Mathematical Sciences

New York, U.S.A

Master of Science in Computer Science - GPA 3.5/4.0

Sep 2021 - Expected May 2023

Key Courses: Fundamental Algorithm, Advanced Database System, Operating Systems, Realtime and Big Data Analytics

National Taipei University

Taipei, Taiwan

Bachelor of Accounting

Sep 2011 - Jun 2015

Experience

Mamon11

New York, U.S.A

Back-end Developer Intern

Sep 2022 - Dec 2022

- Developed and managed data fetching scripts with Facebook, Instagram, TikTok, Criteo, and Shopify APIs
- Designed and synched integrations with Azure server and data with Google Data Studio
- Collaborated with frontend and data developers to design, implement, and maintain a user-friendly web for data management, integration, and analysis programs
- Researched authorization request API in advertising platforms for cross-platform integration app development

PricewaterhouseCoopers (PwC)

Taipei, Taiwan

Senior Associate Auditor

Sep 2015 - July 2021

- Led the audit department's digitalization project "Digital Pilot Team", developed standard operating procedures
- Executed over 130 projects, analyzed and evaluated over 900 key clients' financial/operating data with excel
- Managed over 30 audit team members (accumulated) and collaborate with 9 different teams across 4 departments

Selected Projects

Default Prediction

New York, U.S.A

Python, Machine learning, Kaggle

Jun 2022 - Aug 2022

- Used American Express's customer dataset with features anonymized and normalized
- Reduced 69% of dataset size from 16 GB to 5 GB by transform datatype and stored in a parquet file with Python
- Executed data exploration by visualizing distribution and correlation between 190 features and target with Python
- Trained data by implementing Random forest, LightGBM, XGBoost with Python

Imitate Operating Systems

New York, U.S.A

C++, Operating Systems

Feb 2022 - May 2022

- Developed a two-pass linker simplifies the compilation of code and object module
- Implemented six distinct scheduling policies on a group of running processes and threads on a system
- Designed an operating system's virtual memory manager in practice or simulation
- Carried out and simulated I/O operation scheduling and optimization

Smarter Transit

New York, U.S.A

Hadoop, Hive, Java, Real-time System, Tableau

Feb 2022 - May 2022

- Reduced 63% of weather data from National Oceanic and Atmospheric Administration by MapReduce with Java and Hadoop as computing platform
- Visualized correlation among weather, transit, and crime in New York City with Tableau
- Organized weather data as relation table with Hive

Breakout

Taipei, Taiwan

Python, Object-oriented programming, Visualization

Feb 2022 - May 2022

- Designed and visualized classic breakout game with object-oriented programming and MouseEvent

Skills

Programming/Tools | Python, C++, Java, Back-end development, APIs, R, SQL, Hadoop, Hive, JavaScript, HTML, CSS

Awards

Schrödinger hackathon - The Gender Stack

New York, U.S.A

Best System Design

Jan 2023