

Natalie Lee

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EDUCATION

Carnegie Mellon University

M.S. in Information System Management (GPA 3.53)

Pittsburgh, PA

2021/09 – 2022/12

Course: Data structure, OOP in Java, Computer Systems, Web app, Database, Distributed Systems, Data Science

National Taiwan University of Science and Technology

Taipei, Taiwan

Certificate of Computer Science, 2 Courses (GPA: 4.0)

2020/02 – 2020/06

National Taiwan University

Taipei, Taiwan

B.S. in Accounting (GPA 3.7)

2011/09 – 2015/06

WORK EXPERIENCE

Full-stack Software Engineer Intern – Salesforce.com

2022/05 – 2022/08

- Developed a health check tool automatically checking contact center configuration and sending out checking report to customer admin users.
- Increased customer service efficiency with visualized health check process and configuration helper link.
- Built frontend in **Aura, LWC, HTML, CSS, Javascript** and wired up backend function in **Java**.
- FutureForce Equality Mentorship FY23 Mentee focusing on Salesforce inclusivity goals and awareness.

Risk Analyst Intern – Kronos Research (High-Frequency Trading Company)

2021/04 – 2021/07

- Developed backend infrastructure and implement pipeline to ingest data from 5+ Crypto trading platforms (Kraken Futures, Okex, Crypto.com, etc.) and transform data to usable internal format [**Python, RestAPI, Websockets, MySQL**]
- Implemented analytical tools to visualize trading performance for trader's daily performance review, detected risk in portfolios and reduced potential loss. [**Grafana**]
- Reduced 10% time in reconciliation by automating variance detection in database and pipeline recalculation. [**Python**]

Senior Associate (Data Specialty) – PriceWaterhouseCoopers Taiwan

2015/09 – 2019/06

- Led \$13M I.P.O cases of biotech companies. Decreased 10% of potential tax liability by refactoring biotech company's revenue allocation with solid industrial research and reliable increasing cash flow.
- Automated the inventory age calculation and sample selection function with VBA and reduced 20% of the time.
- Trained and supervised 3 associates to accomplished seasonal review and annual reports.

PROJECT EXPERIENCES

CMU Food Ordering Platform [Javascript, Django, MySQL]

- Created a web page that enables CMU students to efficiently order food and track orders from restaurants on campus. Use AJAX to update and reflects the inventories that are currently in stock.
- Found the closest restaurant with geolocation API and assign the order accordingly. Handled payments with Stripe API. Deployed with **AWS ECS**.

Scent Capturer – Scent Trend Recommendation System [Python, MySQL]

- Created a dashboard that shows the market's current trend of perfume in terms of brands, scent, etc.
- Web crawled from 3+ e-commerce websites and mapped scent information with fragrance encyclopedia.
- Visualized review and ranking results with Matplotlib.

Honda Telematics Data Road Mapping & Traffic Flow Forecast [Python, Django, MySQL]

- Mapped GIS data with telematics data and visualized traffic flow.
- Applied CNN to build and train a model to predict average annual daily traffic on roads with sparse detectors.
- Created and deployed a dashboard to visualize mapping result and prediction.

EXTRACURRICULAR EXPERIENCE

Event host – Accounting Annual Social Event (2012)

- Led a team of 50+ students, brought out 12 dancing performances and drama in half a year.
- Attracted 300+ audiences through a series of marketing strategies.

SKILLS AND TECHNOLOGIES

Programming: C, Java, Python, JavaScript, HTML5/CSS3, Object-Oriented Design & Programming

Framework and database: Django, React, MySQL, MongoDB

Tools: RESTful API, Websocket, AWS(EC2, Lambda, S3), Docker, Git, Linux, Jenkins, gdb