

# Chi Kin (Jason) Law

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## EDUCATION

### Carnegie Mellon University

Pittsburgh, PA

*Master of Science in Information Networking, GPA 4.0 / 4.0*

*Aug 2020 – Dec 2021 (expected)*

Relevant coursework: Introduction to Computer Systems, Distributed Systems, Introduction to Information Security, Parallel Computer Architecture and Programming, Advanced Cloud Computing

### The University of Hong Kong

Hong Kong

*Bachelor of Economics and Finance, Minor in Computer Science, GPA 3.65 / 4.30, First Class Honours Sep 2013 - Jun 2017*

Relevant coursework: Objected-oriented Programming, Data Structures and Algorithms, Principles of Programming Languages, Implementation, Testing and Maintenance of Software Systems, Database Management Systems

## WORK EXPERIENCE

### Okta, Inc.

San Jose, CA (Remote)

*Software Engineer Intern*

*May 2021 – Aug 2021*

- Developed a password hashing framework using **Java** to support multiple hashing algorithms with a common hash string format, allowing customers to choose algorithms that satisfy their compliance and regulatory needs.
- Implemented migration strategies for customers to switch between password hashing algorithms seamlessly.

### Kadensa Capital Limited

Hong Kong

*Software Engineer / Operations Analyst*

*Jun 2017 - Jul 2020*

- Built Research Management System – a hybrid web / desktop app using **Node.js**, **React**, **C++** and **CouchDB**:
  - Created a real-time and point-in-time P&L monitoring dashboard of a 500-security portfolio that aggregates real-time trade fills and market data from Bloomberg API, saved \$ 1k / user / month by replacing a 3<sup>rd</sup> party software.
  - Developed a pre-trade workflow to find the lowest financing and borrowing cost among counterparties, reduced financing cost by 0.2% on average (around \$ 400k per annum).
  - Maintained a database of 75,000 securities with the firm's historical P&L and trading data for visualization.
- Developed web scrapers to scrape market information from stock exchanges and product sales data from Tmall.com using **Python**, empowered the Research Management System with proprietary datasets.
- Created a report generation framework in **Java** where users can write their own reports in HTML, create tables and charts using data from multiple sources. Streamlined generation of more than 40 reports and saved up to 10 man-hours per day.
- Implemented **ETL** pipelines to listen to file changes and load raw data files into **MongoDB** and **SQL Server**, with pluggable **R** scripts for data transformation. More than 500 reports from different parties are processed on a daily basis.

### DBS Bank (Hong Kong) Limited

Hong Kong

*Part-time Junior Developer*

*Sep 2015 - Dec 2016*

- Developed automation programs for internal banking systems in **Java** and smoothened operational workflows for the core banking team. Reduced manual processing time of each customer profile by 90% from 5 minutes to 30 seconds.
- Created a messenger UI for a chatbot using **Angular**, utilized **RabbitMQ** to deliver messages to customer representatives and an automated response engine.

## SKILLS

- Languages: JavaScript, TypeScript, Java, Python, C++, C, R
- Frameworks and Libraries: Node.js, React, React Hooks, Redux, Electron, Express, Spring Boot
- Databases and message queues: MongoDB, SQL, CouchDB, RabbitMQ
- Tools: GitLab CI/CD, Docker, Docker Swarm