

Ming Yuen Thomas Cheong

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EDUCATION

Northeastern University

Khoury College of Computer Sciences

Bachelor of Science in Computer Science and Business Administration

Relevant Courses: Object-Oriented Design, Algorithms and Data, Database Design,

Fundamentals of Software Engineering, Programming in C++, Foundations of Data Science,

Fundamentals of Computer Science, Discrete Structures, Financial Data Analytics with Python, Information Visualization

Awards and Activities: Magna Cum Laude, Dean's List (all semesters), FMA National Honors Society

Alpha Phi Omega (National Service Fraternity), Intramural Volleyball, Hong Kong Students Association

Boston, MA

Sept 2017 – Dec 2021

GPA: 3.83/4.0

COMPUTER KNOWLEDGE

Languages: Python, Ruby, Ruby on Rails, JavaScript, Typescript, Go, Java, PostgreSQL, SQL, C++, HTML

Software: Jet Brains, VS Code, Postman, GitHub, Git, Jupyter Notebook

Databases/Systems: Google Cloud Platform, Kubernetes, Grafana, Prometheus, BigQuery, Bigtable, Spanner, Apache Airflow, Docker, MySQL

PROFESSIONAL EXPERIENCE

AppFolio, Inc.

Full Stack Software Engineer

Goleta, CA

Jan 2022 - Present

- Collaborated in an agile team to create scalable Rental Application solutions, resulting in increased adoption rates and enhanced user experiences.
- Modernized the Rental Application's legacy Rails pages by implementing JavaScript and React, ensuring flexibility, responsiveness, and alignment with contemporary technologies.
- Created an affordable housing solution for streamlined unit management by property managers.
- Overhauled the internal review platform for court records analysis, shifting from static to dynamic, interdependent questions, significantly boosting efficiency for Public Record Analysts.
- Established and maintained a robust codebase for tenant screening and filtering, consistently prioritizing accuracy throughout the entire process to support legal compliance.
- Played an active role in an on-call rotation, promptly addressing urgent requests and providing effective solutions.
- Proactively used New Relic graphs for issue detection and resolution, enhancing tracking and diagnostics.

Mercari US

Software Engineer Co-op

Boston, MA

Jan - Jun 2021

- Operated as a Junior backend engineer on the Marketing Technology team to improve user acquisition and reacquisition efforts in growth marketing using Python and Go
- Implemented and deployed dataflow Airflow DAGs. One increased user lookup efficiency for the CRM team and others solved for a more scalable approach to consolidate various recommenders for the ML team
- Built and deployed a microservice server to load test read and write throughput in Bigtable as a storage solution. Also designed a new Dataflow template using Java to transfer data from BigQuery to Bigtable to assist load testing
- Developed Prometheus metrics to monitor prohibited words in the Mercari app, enabling the user acquisition team to pinpoint misconfigured blacklist words. This led to a 9.75% increase in active ads within 3 months, from 41M to 45M.
- Backfilled 40M email tokens, scraped out user IDs with errors like DB connection issues, and addressed them in production using a Python script.

Promoboxx Inc

Software Engineering Co-op

Boston, MA

Jan – Jun 2020

- Contributed to the production of paid ads including full development of Facebook-ad customizations which immediately saw a positive impact for our customers and brought \$250k in local ads for the company in the first 3 months
- Created/modified 16+ different endpoints from stored procedures (Postgres) to database access layer to client functions (Go) that increased company functionality
- Created DataDog synthetics to monitor status and learned about metrics, alerting, logging, and reporting

SKILLS AND INTERESTS

Languages: English, Cantonese, Mandarin

Interests: Traveling, Volleyball, Basketball, Snowboarding, Weights Training, Foodie