

Ming Yuen Thomas Cheong

LinkedIn: thomas-cheong // Website: www.thomas-cheong.com // GitHub: tommycheong07

EDUCATION

Northeastern University

Boston, MA

Khoury College of Computer Sciences

Sept 2017 – Dec 2021

Bachelor of Science in Computer Science and Business Administration

GPA: 3.83/4.0

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

COMPUTER KNOWLEDGE

Languages: Python, Ruby, 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.

Goleta, CA

Full Stack Software Engineer

Jan 2022 - Present

- Designed and produced scalable Rental Application solutions in an agile team to increase adoption rates and enhance user experience
- Reconstructed the Rental Application customization page from Ruby to JavaScript and React to be adaptable, responsive, and to keep up with relevant technologies
- Re-designed internal platform for reviewing screening records to remove static and linear questions to have dependent and dynamic questions that improved Public Record Analyst efficiency
- Implemented and maintained code to screen and filter tenants while maintaining maximum possible accuracy
- Engaged in an on-call rotation to solve and react to any urgent requests

Mercari US

Boston, MA

Software Engineer Co-op

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
- Created Prometheus metrics to track prohibited words on the Mercari app and graphed it on a Grafana dashboard. This metric allowed the user acquisition team to identify misconfigured blacklist words that blocked certain ads from being published. Since then, active ads rose 9.75% from 41M to 45M in 3 months.
- Backfilled 40 million user email tokens and ran a python script to scrape out user IDs that had errors such as DB connection errors during the backfill and addressed them in production

Promoboxx Inc

Boston, MA

Software Engineering Co-op

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
- Communicated with front end and product teams to ensure that products fulfilled their needs

SKILLS AND INTERESTS

- Languages: English, Cantonese, Mandarin
- Interests: Traveling, Volleyball, Basketball, Snowboarding, Weights Training, Foodie