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EDUCATION

Northeastern University

Khoury College of Computer Sciences

Candidate for Bachelor of Science in Computer Science and Business Administration

Relevant Courses: Object-Oriented Design, Algorithms and Data, Database Design, Foundations of Data Science, Fundamentals of Computer Science, Discrete Structures, Financial Data Analytics with Python, Information Visualization

Awards and Activities: Dean's List (all semesters), Alpha Phi Omega (National Service Fraternity), Intramural Volleyball, Hong Kong Students Association

Boston, MA

Sept 2017 - Present

Expected Dec 2021

GPA: 3.81/4.0

COMPUTER KNOWLEDGE

Languages: Go, Python, Java, PostgreSQL, SQL, HTML, JavaScript

Software: Jet Brains, Postman, GitHub, Git, DataGrip, Eclipse, Jupyter Notebook, Docker, Kubernetes, Apache Airflow

PROFESSIONAL EXPERIENCE

Mercari US

Software Engineer Co-op

Boston, MA

Jan 2021 - Present

- Operating as a Junior backend engineer on the Marketing Technology team to improve marketing efforts and effectiveness using Python and Go
- Implemented dataflow jobs and successfully created an Airflow DAG to update user data daily to enable the CRM team to easily query which users have been assigned which banners from Braze which increased user lookup efficiency
- Currently building a microservice to load test read and write throughput in GCP Bigtable as a storage solution

Promobox Inc

Software Engineering Co-op

Boston, MA

Jan – Jun 2020

- Member of the backend team including shipping code to production
- Contributed to the production of paid ads including full development of Facebook-ad customizations. Tested and launched paid ads 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
- Successfully transitioned to be fully remote during the COVID-19 pandemic while maintaining productivity and levelled up my independence, communication skills, and time management

Hong Kong Systems Limited

Software Engineer Intern

Hong Kong

Jul – Aug 2019

- Implemented stocktake options using Java into the company mobile android application
- Created 15 stored procedures using SQL for projects regarding data collection for facial recognition attendance systems

PROJECTS

Philadelphia Food Delivery Data Visualization

Sep – Dec 2020

- Worked alongside a food delivery logistics client and leverage their data to provide insight and analysis on delivery cost efficiency using JavaScript and D3. Created website with data visuals and graphs that enabled restaurants to make better operational decisions that will benefit their profit margins

Movie Recommendation App

Jul – Aug 2020

- Created a movie recommendation app that recommends movies to users based on actors and genres selected. Then recommends additional movies that the user may like based on other actors that were in the recommended listings. Web scraped the IMDb database locally, then used python to create a Flask API to connect front end website to the database

Marble Solitaire

Jan – Feb 2019

- Built a marble solitaire game using MVC design in Java where the user can select board type and length and is played by removing marbles by jumping pieces into empty spaces. Transitioned to a website to integrate user click capabilities

SKILLS AND INTERESTS

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