

EDUCATION

Pok Fu Lam, Hong Kong **The University of Hong Kong** **September 2016 – May 2020**

- Bachelor of Engineering in Computer Science - Full Scholarship for 4 Years - CGPA 3.48/4.30
- Highlight Courses: *Design & Analysis of Algorithms, Machine Learning, Distributed Systems, Functional Programming*

EMPLOYMENT

Software Engineer, Intern **Credit Suisse** **June – August 2019**

- **Increased development efficiency** by making an internal tool to visualize machine learning models in development, backtest them and get feedback on the results from various stakeholders.
- Developed a full stack typescript project from scratch with a GraphQL server and React frontend. Implemented a continuous integration pipeline with testing, dockerization and private cloud deployment (using Kubernetes).

Software Engineer, Intern **GRAIL Inc.** **June – August 2018**

- **Removed the need for manual invoicing** by implementing a billing system from scratch for automated monthly invoicing of customers. Generated PDF for each invoice automatically. Integrated with NetSuite and Salesforce to sync customer information in real-time.
- **Allowed billing flexibility** by developing a dashboard to make corrections in invoices, add discounts during marketing drives and support special pricing per customer.
- Used Golang, React and Redux with robust unit and integration tests.

Technology Solutions Professional, Intern **Microsoft Hong Kong** **June – August 2017**

- **Reduced customer service cost by 30%** by designing and implementing an AI-infused customer service platform using Azure's cognitive services. Composed of chatbot, NLP and speech-to-text on the frontend with an analytics backend. (*Node.js, jQuery*)
- **Reduced time for sales team to find optimal Azure offerings for their customers by 75%** through developing a web app which allows convenient searching and filtering of offered products while comparing them with those of competitors such as AWS. (*jQuery*)

HIGHLIGHT PROJECTS

See more at WaqasAli.dev/work

- **StudentBase** Community for high school students to share resources. GraphQL Server with 95% testing coverage, JWT Authentication, Dropbox integration for content storage, React frontend, Dockerized, Written in Typescript. (30,000 monthly active users)
- **Chairman** R-CNN powered person detection model to find unoccupied learning spaces on campus

SKILLS AND TECHNOLOGIES

- **Core** Go, Typescript, JavaScript, Python, C, C++, Java, PHP, SQL, Shell, Haskell, Distributed Computing
- **Web, Mobile & Database** React, GraphQL, Redux, React Native | Unity | SQL, MongoDB
- **ML/AI** Classification, Regression, Deep Learning, Reinforcement Learning

ADDITIONAL EXPERIENCE AND AWARDS

WaqasAli.dev/achievements

- **Teaching Assistant** ENGG1111 - Computer Programming and Applications
- **Cyberport Creative Micro Fund** Seed-funded HK\$100,000 for development of project CreditSense
- **Radica/UBS BigDatathon 2018** Winner
- **Chengdu 80 Fintech 2018** Runner-up

LEADERSHIP

- **Founder Chi Sun Turing Club** A student group working on tech-driven solutions to improve student life in residences of University of Hong Kong. Led a team of 15 to develop college management system/mobile app and organize hackathon/workshops.