

## EDUCATION

Pok Fu Lam, Hong Kong	The University of Hong Kong	September 2016 – May 2020
<ul style="list-style-type: none"><li>Bachelor of Engineering in <u>Computer Science</u> - Full Scholarship for 4 Years - CGPA 3.48/4.30</li><li>Highlight Courses: <i>Design &amp; Analysis of Algorithms, Machine Learning, Distributed Systems, Functional Programming</i></li></ul>		

## EMPLOYMENT

Software Engineer, Intern	Credit Suisse	June – August 2019
<ul style="list-style-type: none"><li><b>Increased development efficiency</b> by making an internal tool to visualize machine learning models in development, backtest them and get feedback on the results from various stakeholders.</li><li>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).</li></ul>		

Software Engineer, Intern	GRAIL Inc.	June – August 2018
<ul style="list-style-type: none"><li><b>Removed the need for manual invoicing</b> 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.</li><li><b>Allowed billing flexibility</b> by developing a dashboard to make corrections in invoices, add discounts during marketing drives and support special pricing per customer.</li><li>Used Golang, React and Redux with robust unit and integration tests.</li></ul>		

Technology Solution Professional, Intern	Microsoft Hong Kong	June – August 2017
<ul style="list-style-type: none"><li><b>Reduced customer service cost by 30%</b> 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. <i>(Node.js, jQuery)</i></li><li><b>Reduced time for sales team to find optimal Azure offerings for their customers by 75%</b> through developing a web app which allows convenient searching and filtering of offered products while comparing them with those of competitors such as AWS. <i>(jQuery)</i></li></ul>		

## HIGHLIGHT PROJECTS

See more at [WaqasAli.dev/work](https://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](https://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.