

EDUCATION

Pok Fu Lam, Hong Kong

The University of Hong Kong

September 2016 – May 2020

- Bachelor of Engineering in Computer Science with minor in Cognitive Science
- Full Scholarship for 4 Years
- Highlight Courses: *Design and Analysis of Algorithms, Machine Learning, Computer Vision, Distributed Systems*

EMPLOYMENT

Software Engineer, Intern

GRAIL Inc.

June – August 2018

- **Removed the need for manual invoicing** by designing and implementing a billing system from scratch for automated monthly invoicing of customers. (*Golang, React, Redux, Material-UI*)
- **Increased efficiency of sales and finance teams** by securely integrating with third-party billing (NetSuite) and CRM (Salesforce) systems to sync billing and customer information in real-time.
- **Addressed customer service and marketing needs** by designing and implementing an ad hoc billing system to make corrections in invoices, add discounts during marketing drives and support special pricing per customer.

Technology Solution Provider, 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 a robust analytics-based backend. (*Node.js, jQuery*)
- **Reduced time to find optimal Azure offerings for customers by 75%** and gave sales team a competitive edge by developing a web app which allows convenient searching and filtering of offered products while comparing them with those of competitors such as AWS. (*jQuery*)
- **Allowed small retail businesses to remain competitive against big brands and online stores** by developing a complete retail solution composed of facial recognition, emotion detection, smart chatbot, easy-to-use frontend and a robust backend. (*Python, Meteor*)

HIGHLIGHT PROJECTS

18 other projects at WaqasAli.dev/work

- oalevelnotes.com: Community for high school students to share resources. (30,000 monthly active users)
- **Chairman**: R-CNN powered person detection model to find unoccupied learning spaces on campus.
- **CreditSense**: Inter-bank credit scoring platform powered by blockchain and machine learning.
- **Big Two**: Multiplayer networked cross-platform card game. (*Java*)
- **Time**: VR game to promote heritage of Kowloon Walled City Hong Kong. (*C#/Unity*)

SKILLS AND TECHNOLOGIES

- **Core** Go, JavaScript, Python, C/C++, Java, PHP, SQL, Shell, Unix
- **Web, Mobile & Database** React, Redux, React Native | D3.js, Unity | MySQL, MongoDB
- **ML/AI** Classification, Regression, Search, Reinforcement Learning, Markov Models
- **Blockchain** Solidity, Ethereum, MultiChain
- **Cybersecurity** Web Application Penetration, Scripting, Cryptography

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 2018** (*international inter-university fintech competition*) Runner-up
- **Microsoft Imagine Cup** Runner-up in Hong Kong | Most Innovative Award
- **Shanghai Commercial Bank Fintech Hackathon** Winner in Hong Kong | Runner-up in Greater China

POSITIONS OF RESPONSIBILITY

- **Founder Chi Sun Turing Club** A student group working on tech-driven solutions to improve student life in residences of University of Hong Kong.