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Nationality: Pakistani
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WAQAS ALI

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CompSci junior with experience of 2 internships and 23 side-projects.

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 **GPA: 3.43/4.30**
• Full Scholarship for 4 Years
• **Faculty Exchange:** King's College London, UK **January – May 2019**
• Courses: *Design and Analysis of Algorithms, Machine Learning, Computer Vision, Distributed Systems*

EMPLOYMENT

Software Engineer, Intern **GRAIL Inc.** **June – August 2018**
Located across Menlo Park and Hong Kong, GRAIL uses state-of-the-art computer science and data science to detect cancer early.

- **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

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- **Chairman:** R-CNN powered person detection model to find empty learning spaces on campus at minimal cost.
- **CreditSense:** A decentralized inter-bank credit scoring platform powered by blockchain and deep learning.
- **Big Two:** A multiplayer networked cross-platform card game. (*Java*)
- **Time:** A VR cross-platform 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

ADDITIONAL EXPERIENCE AND AWARDS

WaqasAliAbbasi.com/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.