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Nationality: Pakistani

WAQAS ALI

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CompSci junior with two internships and 20 side-projects seeking a Summer 2019 software engineering internship.

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 Sciences   *GPA: 3.44/4.30*
- Full Scholarship for 4 Years
- *Major Courses:* OOP, Data Structures & Algorithms, Computer Vision, Full Stack Web Dev, Operating Systems

Strand, London, United Kingdom   **King's College London**   **January 2019 – May 2019**
- Faculty Exchange Programme   *Grade: N/A*
- *Major Courses:* Design and Analysis of Algorithms, Machine Learning, Distributed Systems

EMPLOYMENT

Software Engineer, Intern   **GRAIL Inc.**   **June 2018 – August 2018**
GRAIL uses state-of-the-art computer science and data science to detect cancer early. Located in Menlo Park, California and Hong Kong.
- **Removed the need for manual invoicing** by designing and implementing a billing system from scratch for automated monthly invoicing of customers. Used *Golang* for back-end and *React/Redux* for front-end.
- **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.
- **Improved the UI** by redesigning parts of the existing *React/Redux* web-app to use *Material-UI.*

Technology Solution Provider, Intern   **Microsoft Hong Kong**   **June 2017 – August 2017**
- **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 front-end and robust backend.
- **Reduced customer service cost by 30%** by designing and implementing an AI-infused customer service system using Microsoft's cognitive services. Composed of a smart chatbot for customers, NLP, speech-to-text, useful analytics and robust back-end for customer service team.
- **Gave Microsoft HK sales team a competitive edge** by developing a web app which reduces time to find optimal Azure offerings for prospective customers by 75% while comparing with Amazon Web Services in real-time.

PROJECTS   *github.com/WaqasAliAbbasi | WaqasAliAbbasi.com/work*
- **Chairman:** A R-CNN powered person detection model to detect free learning spaces around university campus at minimal cost.
- **CreditSense:** An automated and decentralized credit scorer.
- **Big Two:** A multiplayer networked cross-platform Big Two card game.
- **Time:** A VR cross-platform game to promote heritage of Kowloon Walled City Hong Kong.

SKILLS AND TECHNOLOGIES
- **Core**: Golang, Python, JavaScript, C/C++, Java, Shell
- **Web, Mobile & Database:** React, Redux, React Native, MySQL, MongoDB, PHP
- **Tools & Services:** Git, Unix/Linux, Docker, Unity, Azure
- **Blockchain:** Solidity, Ethereum, BigchainDB, Multichain

ADDITIONAL EXPERIENCE AND AWARDS   *WaqasAliAbbasi.com/achievements*
- **Seed funded:** HK$100,000 by Cyberbort Creative Micro Fund
- **11 Hackathons:** Sept 2017 to June 2018 – (Won 6)
- **Teaching Assistant:** ENGG1111 - Computer Programming and Applications

POSITIONS OF RESPONSIBILITY
- **Founder Chi Sun Turing Club:** A 10-member team working on tech-driven solutions for HKU student-life
- **Microsoft Student Partner Hong Kong:** Sept 2016 to May 2017