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Nationality: Pakistani

WAQAS ALI

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SUMMARY

CompSci sophomore seeking a 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 Neuroscience   *GPA: 3.52/4.30*
- Full Scholarship for 4 Years
- *Major Courses:* OOP/Java, Data Structures & Algorithms, Computer Vision, Full Stack Web Dev

EMPLOYMENT

Software Engineer, Intern   **Microsoft Hong Kong**   **June 2017 – August 2017**

- Developed a **complete retail solution for SMEs** to remain competitive against big brands and online stores. *Built with Python, OpenCV, Bot Framework, LUIS, Bing Speech API, Application Insights, Ibex, HTML, CSS, Bootstrap & jQuery.*
  - o Used *OpenCV* to model a **facial recognition system** and *Face API* to detect emotions
  - o Used *Node.js, Bot Framework, LUIS & Bing Speech API* for a **shopping-assistant** chatbot
  - o Used *Python* & *Flask* to create a ***RESTful API*** for communication between microservices
- Designed and implemented a POC for an **AI-infused Customer Service** portal which reduces customer service cost **by 30**%. *Built with Node.js, Bot Framework, LUIS, QnA Maker API, Application Insights, Ibex and Bing Speech API.* Incorporates chatbots, **NLP, speech-to-text and analytics**.
- Developed a **web app** which reduces time to find optimal Azure offerings for prospective customers **by 75%.** *Built with jQuery, Bootstrap, HTML & CSS. Also* compares with AWS to give a competitive edge.
- Made **2 more** POCs and made demos of *Azure Virtual Machines, Machine Learning Studio, Stream Analytics, Event Hub, Web App, CosmosDB, SQL Databases & IoT Hub*

PROJECTS   *github.com/WaqasAliAbbasi*

- **Big Two** A multiplayer networked cross-platform Big Two card game. *Java 8, Object-Oriented Design, Multi-threaded, Java Socket*
- **Time** A VR cross-platform game to promote heritage of Kowloon Walled City Hong Kong. *Unity, C#, Sketchup*
- **CollabCoin** A decentralized Investment Fund. *Backend*: *Ethereum, BigchainDB, Python*; *Frontend: Meteor*
- **Consilia** An AI-infused Smart Academic Planner for HKU Students. MongoDB, Express, React, Node.js (MERN)
- **CreditSense** An automated and decentralized credit scorer **(Winner Microsoft Imagine Hack)** *Backend*: Multichain, Flask; *Frontend*: React

SKILLS AND TECHNOLOGIES

- **Core**: C/C++, Java, Python, JavaScript, Node.js, Shell, RESTful APIs
- **Web & Database:** React, Meteor, Express (MEAN/MERN), jQuery, Bootstrap, MySQL, MongoDB, PHP
- **Mobile:** React Native
- **Machine Learning:** TensorFlow, Pandas, Scikit-learn, OpenCV
- **Tools & Services:** Unix/Linux, Unity, Git, Azure, Docker
- **Testing:** Mocha, pytest, Postman
- **Blockchain:** Solidity, Ethereum, BigchainDB, Multichain

ADDITIONAL EXPERIENCE AND AWARDS

- **Teaching Assistant:** ENGG1111 - Computer Programming and Applications **(HKU, Fall 2017)**
- **7 Hackathons:** Sept 2017 to March 2018 – (Won 3)
- **2ⁿᵈ Place:** Greater China Shanghai Commercial Bank Fintech Hackathon **(Round 3: Shanghai, Dec 2017)**
  - o **1ˢᵗ Place:** Hong Kong Round **(Round 2: Hong Kong, Nov 2017)**; **Prize Money:** 70,000 HKD (Team of Five)
  - o **Product:** Decentralized Crowdsourced Investment Fund *(Ethereum, BigchainDB, Python, Meteor)*
- **Conducted 10 Technical Workshops:** In Cyberport, CityU and PolyU Hong Kong

POSITIONS OF RESPONSIBILITY

- **Founder Chi Sun Turing Club:** A 10-member team working on tech-driven solutions for HKU student-life
- **Director Creative Services:** Harvard WorldMUN Hong Kong 2019 Bid Team. Sept 2017 to Nov 2017
- **Microsoft Student Partner Hong Kong:** Sept 2016 to May 2017