

SUMMARY

CompSci sophomore seeking a software engineering internship. In addition to diverse side-projects which show creativity, problem-solving ability and a willingness to learn, I have experience of designing and implementing impactful software from scratch through an internship at Microsoft.

EDUCATION

Pok Fu Lam, Hong Kong **The University of Hong Kong** **September 2016 – May 2020**

- Bachelor of Engineering in Computer Science
- Full Scholarship for 4 Years

EMPLOYMENT

Technology Solution Professional, Intern **Microsoft Hong Kong** **June 2017 – August 2017**

- Developed a **web app for Azure sales team** which reduces time to find optimal Azure offerings for prospective customers **by 75%**. *Built with jQuery, Bootstrap, HTML & CSS.* Also compares with AWS for a competitive edge.
- Designed and implemented a POC (proof of concept) for an **AI-infused Customer Service** portal using Microsoft Technologies 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.
- Won **third prize** and **3000 HKD** in a company-wide hackathon for developing 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.*
 - Used *OpenCV* to create a facial recognition system and *Face API* to detect emotions
 - Used *Node.js, Bot Framework, LUIS & Bing Speech API* for a shopping-assistant chatbot
 - Used *Python & Flask* to create a *RESTful API* for communication between microservices
- Made **2 more** POCs and worked on demos of *Azure Virtual Machines, Machine Learning Studio, Stream Analytics, Event Hub, Web App, CosmosDB, SQL Databases & IoT Hub*

PROJECTS AND INITIATIVES

github.com/WaqasAliAbbasi

- **Big Two** A multiplayer networked cross-platform Big Two card game. *Java 8, Object-Oriented Design, Multi-threaded, Java Socket*
- **ChatterBox** A chatting web app. *MongoDB, Express, Angular, Node.js (MEAN)*
- **Time** A VR cross-platform game to promote heritage of Kowloon Walled City Hong Kong. *Unity, C#, Sketchup*
- **Ella** A financial assistant chatbot; **Curo** A charity chatbot to generate donations through surveys. *Node.js*
- **oalevelnotes.com** A 30,000 MAU (monthly active users) community for GCE O Level and A Level High School students. *SEO, WordPress, Google AdSense, Google Analytics*

ADDITIONAL EXPERIENCE AND AWARDS

- **Teaching Assistant:** ENGG1111 - Computer Programming and Applications (**HKU, Fall 2017**)
- **2nd Place:** Greater China Shanghai Commercial Bank Fintech Hackathon (**Round 3: Shanghai, Dec 2017**)
 - **1st Place:** Hong Kong Round (**Round 2: Hong Kong, Nov 2017**)
 - **Prize Money:** 70,000 HKD (Team of Five)
 - **Product:** Decentralized Crowdsourced Investment Fund (*BigchainDB, Python, Meteor*)
- **Conducted 5 Technical Workshops:** In Cyberport, CityU and PolyU Hong Kong
- **2 x Bronze Medals:** Microsoft World Championship 2015 Dallas, TX & 2016 Orlando, FL

POSITIONS OF RESPONSIBILITY

- **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
- **High School:** Head Boy, House Captain, President Debating Society, Vice President Science Club

TECHNOLOGIES AND SKILLS

- **Core:** C/C++, Java, Python, JavaScript, Node.js, PHP, Shell
- **Web & Database:** HTML, CSS, jQuery, Bootstrap, MySQL, MongoDB
- **Frameworks:** Express, Angular, Meteor, Flask
- **Tools & Services:** Unity, Git, Azure, Docker, WordPress, RESTful API
- **Media:** Photoshop, Premier Pro, Sony Vegas Pro, Audacity
- **Other:** Public-speaking, Presentations (Member Toastmasters International)