

SM Nazim Uddin Shoikot

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EDUCATION

BACHELOR OF ENGINEERING | THE UNIVERSITY OF HONG KONG | SEP 2017 – MAY 2021 (CGPA 3.64)

- **Major:** Computer Science
- **Transdisciplinary Cluster:** Sustaining Cities, Cultures, and the Earth
- **Highlight Courses:** Data Structures and Algorithm Analysis, Machine Learning, Applied Deep Learning, Communication and Networks, Object-Oriented Programming and Java, World Wide Web Technologies

BACHELOR OF SCIENCE (EXCHANGE PROGRAM) | PURDUE UNIVERSITY | AUG 2019 – DEC 2019 (CGPA 3.74)

- **Major:** Computer Science
- **Highlight Courses:** Design, Analysis, and Implementation of Algorithms (Graduate level), Operating Systems, Software Engineering, Entrepreneurship and Innovation

EMPLOYMENT AND EXPERIENCE

ASSOCIATE CONSULTANT – SOFTWARE ENGINEER | EWALKER MANAGEMENT LTD | JUN 2019 – MAY 2021

- Developed computer security and digital forensics software to aid security analysis (**Go**)
- Automated vulnerabilities detection testing and report generation, saving up to **12 manhours a day**
- Designed and implemented a long-term project to integrate security software (**Go, ReactJS**)
- Performed analysis, visualization, and parameter optimization for security data (**Elasticsearch, Kibana**)
- Replicated and modified Elasticsearch functionality from scratch for more specific internal use (**Go**)

FINAL YEAR INDUSTRY PROJECT | AZEUS SYSTEMS LIMITED | AUG 2020 – MAY 2021

- Collected, cleaned, and pre-processed large-scale datasets for NLP models
- Used natural language processing to understand intent of users in real-time
- Developed an NLP model to retrieve the relevant materials in an efficient manner (**BERT, RoBERTa, SBERT**)
- Developed web-application and linked it to backend to create a user-friendly UI for end-users (**ReactJS, Django**)

TEACHING ASSISTANT – COMPUTER PROGRAMMING | THE UNIVERSITY OF HONG KONG | SEP 2018 – DEC 2018, JAN 2020 – JUN 2020

- Mentored a group of 30 students to help them understand and implement algorithms in **Python**
- Aided students in programming by helping them debug their programs in **Python**
- Evaluated and provided feedback on tutorials and assignments

TECHNOLOGY INTERN | SCHOOLSMAST | APR 2019 – JUN 2019

- Worked in UI/UX team to ensure cohesion and suggest improvements to user experience
- Tested the application, created fix reports, and liaised with the programming team for fixes

HIGHLIGHT PROJECTS

- **Lens:** Smart multiclass object detection and recognition software (**Python, CNN, SVM**)
- **MCQueue:** Application for quizzing and giving students personalized feedback (**ReactNative, Go, SQLite**)
- **Twisttler:** Microblogging social networking website (**ReactJS, NodeJS, PostgreSQL**)
- **BigTwo :** Multiplayer networked cross-platform card game (**Java**)
- **Xinu:** Modified version of the light-weight operating system Xinu to satisfy more specific needs (**C, C++**)

SKILLS AND TECHNOLOGIES

- **Core:** C, C++, Go, Python, Java, Javascript, PHP
- **Web development:** HTML, CSS, ReactJS, Bootstrap, AngularJS, NodeJS, Django, MySQL, MongoDB, PostgreSQL
- **Machine Learning:** NLP, CNN, BERT, SBERT
- **Other:** Unix, Regex programming, Nmap, WireShark, Elasticsearch, Kibana

AWARDS AND ACHIEVEMENTS

- HKSAR Government and Scholarship Fund (2017-Present)
- Exchange Program Scholarship (2019-2020)
- Dean's Honors List 2017-2018
- Edexcel High Achiever's Award 2016: Outstanding Results in A Level
- Edexcel High Achiever's Award 2015: World Highest in A-Level Mathematics