Github LinkedIn

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Education

Durham University, Durham 2018 - 2021

BSc in Computer Science and Mathematics (within Natural Sciences) - Year 1/2 Grade: 78%/76%

Notable completing/ed modules:

- *Deep Learning and Reinforcement Learning*
- *Recommender Systems*
- *Software Methodologies (AI, ML, Graphics)*
- *Network and Systems (Networks, Security)*
- *Cryptography and Codes*
- *AMV (Multivariable Calculus)*
- *Calculus and Probability*
- *Linear Algebra*

Self-studying/ed modules: Theory of Computation, Parallel Scientific Computing

Shrewsbury International School, Bangkok Class of 2018

A Level Sir David Lees Honorary Scholarship (4 A*s in *Maths, Further Maths, Economics and Physics*)
IGCSE Honorary Scholarship (7 A*s, 4 As, 1B)

Professional Experience

Dailitech, Intern; Bangkok, Thailand Aug - Sept 2019

- Developed a serverless web-based service that allow clients to verbally interact with a chat-bot through Amazon Web Services (i.e. Sumerian, Lex, Lambda), using Python and Javascript
- Implemented a chat-log for the service, integrating using Amazon API Gateway Websocket

StockRadars, Intern; Bangkok, Thailand Aug 2017

- Created an interactive node diagram that show interactions between the major stocks and investors using Python, Javascript and SQL

Integra8t (Beryl8), Intern; Bangkok, Thailand Aug 2016

- Trained on Android development and design, creating simple applications with Java and XML

Skills

Programming: Python, C/C++, Git CLI w. some experience in Java, Javascript, Haskell, Octave
Libraries/Services: has experience in GMP, SDL/OpenGL, WebGL, pytorch, scikit-learn and AWS
Bilingual: fluent in both Thai and English

Notable Projects

- **Integer Factorisation Algorithms (Final Year Project):** study, evaluate and explore possible improvements of factoring algorithms using C/C++ with data visualisations in Python
- **ML :** trained and compared 2 different models for predicting exam outcomes
- **Security :** analysis of possible vulnerabilities, exploitations and mitigations on a sample server
- **simple-gallery**: simple navigable image gallery for MacOS using SDL/OpenGL on C/C++

Extra Curriculums

STEMYouth Bangkok, Assistant Instructor; Bangkok, Thailand July- Aug 2019

Volunteered to assist with instructing lessons in Python and programming in general

- DU Blood Donation Society, *Sponsorship and Fundraising Officer 2019/20*
- DU Thai Society, *Treasurer 2019/20*
- Durham University Open Day Ambassador 2019
- Participated in: DurJam (Durham Game Jam) and Scott Logic's Bugathon (1st place in Round 2)
- **Other Areas of Interests**: Theoretical CS (e.g. Models of Computations, Formal Verifications, Computational Complexity), Cryptography, Number Theory and Abstract Algebra

Reference available upon request