

Premsupapong (Guy) Vanitcharenthum

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13 Crossview Terrace, Durham, DH1 4JY

Education

Durham University, Durham

2018 - 2021

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

Modules Completed

Year 1: Maths: *Linear Algebra I, Calculus and Probability, Analysis I*

ComSci: *Computational Thinking, Computer Systems, Algorithms and Data Structures*

Year 2: Maths: *Analysis in Many Variables II, Algebra II, Monte Carlo II, Elementary Number Theory*

ComSci: *Networks and Systems, Programming Paradigms, Software Methodologies*

Shrewsbury International School, Bangkok

Class of 2018

Studied *Maths, Further Maths, Economics and Physics* (4 A*s) in A Level

A Level Sir David Lees Honorary Scholarship

IGCSE Honorary Scholarship (7 A*s, 4 As, 1B *including Maths and English*)

DoE International Award: Bronze

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 AWS Sumerian, Python, Javascript and other services
 - Hosted on: <https://d3k85ir1rjyxd.cloudfront.net/>
- Implemented a chat-log feature for the service, integrating with other services using Amazon API Gateway Websocket

StockRadars, Intern; Bangkok, Thailand

August 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

August 2016

- Trained with the development team on Android development and design, and created applications using Java and XML, including a simple calculator application

Skills

Programming Languages : Python, C/C++ w. some experience in Java, Javascript, Haskell, Octave

Libraries: minor experience in SDL, OpenGL, WebGL, boto3 (AWS SDK), sockets

Cloud Services: experience in Amazon Web Services (AWS) - Sumerian, Lex, Lambda, API Gateway

Version Control: Git CLI through Github and Bitbucket

Bilingual : fluent in both Thai and English

Courseworks

- **Security** : report on security vulnerabilities of a server incl. how to exploit and mitigate them
- **Computer Graphics** : created a 3D living room with textures and animation using WebGL
- **Machine Learning** : trained 2 models to predict results of exam using sklearn, with reports
- **Distributed Systems** : developed a DS for ordering foods with passive replication using pyro4
- Other coursework topics include:
 - Year 1 : Bioinformatics, Error-Correcting Codes, Modelling with Graphs, Little Man Computer (Computer Systems), Algorithms and Data Structures
 - Year 2 : AI Search, Image Processing, Networks, Compiler Design, Systems Programming

Other Experiences

STEMYouth Bangkok, Assistant Instructor; Bangkok, Thailand

July- Aug 2019

- Volunteered as a Python assistant instructor, where I was assigned a group with 4-5 students and was to help with any problems about the lessons and answer questions regarding the exercises or Python programming in general

Golden Pearl, Part-time Worker; Durham, UK

Nov - Dec 2018

- Mainly waited tables, but also worked at the till, all while having to restock shelves, prepare drinks and appetisers, greet customers and staying behind to clean the place before closing

Extra Curriculums

- Durham University Blood Donation Society, *Sponsorship and Fundraising Officer 2019/20*
- Durham University Thai Society, *Treasurer 2019/20*
- *Durham University Open Day Ambassador 2019*
- Participated in *TPP CompSoc Coding Challenge*
- 1st Place in *Scott Logic's Bugathon* Round 2 and 3rd Place in Round 1
- Self-studied modules:
 - Complex Analysis II, Geometric Topology II, Theory of Computation
- Online courses completing/completed:
 - Coursera: Introduction to Machine Learning, Quantitative Model Checking