

Premsupapong (Guy) Vanitcharenthum

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I'm a second year undergraduate at Durham University studying Computer Science and Maths. My main interests related to Computing consists of Software Development, Cyber Security and Cloud Computing,. However, I'm also interested in different areas of Mathematics, as such I have been going to extra lectures relating to Complex Analysis and Geometric Topology, as I am someone who enjoy learning new concepts and ideas!

Education

Durham University, Durham

2018 - 2021/2 (Expected)

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

Modules Completing/Completed

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

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

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

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 English and Maths)

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 with some experience in Javascript, C, Haskell and HTML

Modules: boto3 (AWS SDK), sockets, threads, re and numpy

Cloud Services: Amazon Web Services (AWS) incl. Sumerian, Lex, Lambda, API Gateway

Version Control: Git CLI including Github and Bitbucket

Bilingual : fluent in both Thai and English

Coursework Examples

- **Security** : was given a virtual image of a company server, and written a report on the security vulnerabilities of the server, how it can be exploited and how to mitigate it
- **Networks**: developed an anonymous bulletin board system using TCP and python's socket module, handling network errors and application layer protocols
- **AI Search**: implemented and improved 2 algorithms (incl. a heuristic algorithm) used to 'solve' the Travelling Salesman Problem by abstracting it as a local search problem

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