

# Premsupapong (Guy) Vanitcharenthum

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Sathorn Rd., Sathorn, Bangkok, 10120

## Education

### Durham University, Durham

2018 - 2021/2 (Expected)

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

*Blood Donation Society, Sponsorship and Fundraising Officer 2019/20*

*Thai Society, Treasurer 2019/20*

*Open Day Ambassador 2019*

### 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)*

*DoE International Award: Bronze*

## 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 a simple calculator application using Java and XML

## Coursework

Examples of First Year Coursework:

- **Bioinformatics** : developed a python program to find the optimal alignment of two DNA sequences represented as sequences of characters
- **Error Connecting Codes** : implemented encoder and decoder for Hamming Code and repetition codes
- **Algorithm and Data Structures** : solved exercises involving hybrid sorting algorithm, checking for obsolete brackets in an expression, hashing, recursion and time complexities

## Skills

**Programming Languages** : Python with minor experience in Javascript, Java, HTML, CSS, SQL

**Modules**: boto3 (AWS SDK) with experience in numpy, matplotlib, google images API

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

Reference available upon request

**Version Control:** Git CLI including Github and Bitbucket  
**Bilingual :** fluent in both Thai and English