# Premsupapong (Guy) Vanitcharenthum

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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%*
DU Blood Donation Society, *Sponsorship and Fundraising Officer 2019/20*
DU Thai Society, *Treasurer 2019/20*
Durham University Open Day Ambassador 2019


**Shrewsbury International School, Bangkok**                              Class of 2018

Studied *Maths, Further Maths, Economics and Physics* (4 A*s) in A Level
IGCSE Honorary Scholarship (7 A*s, 4 As, 1B *including Maths and English*)

## 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, using Python, Javascript (https://d3k85ir1rjyxld.cloudfront.net/)
  - Implemented a chat-log for the service, integrating 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 on Android development and design, creating simple applications with Java and XML

## Skills

**Programming Languages :** Python, C/C++ *w. some experience in Java, Javascript, Haskell, Octave*
**Libraries / VC:** *experience in* SDL/OpenGL, WebGL, boto3 (AWS SDK), scikit-learn *and* Git CLI
**Cloud Services:** *experience in* **Amazon Web Services (AWS)** - Sumerian, Lex, Lambda, API Gateway
**Bilingual :** fluent in both Thai and English

## Courseworks

  - **Machine Learning :** trained and compared 2 different models for predicting exam outcomes
  - **Security :** analysis of possible vulnerabilities, exploitations and mitigations on example server
  - Other coursework topics: AI Search, Image Processing, Computer Graphics, Network, Distributed System, Compiler Design, Systems Programming, Algorithms and Data Structures, Bioinfomatrics, Error-correcting Codes, Modelling with Graphs

## 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 to help answer questions regarding the exercises or Python programming in general


  - Participated in:  Scott Logic's **Bugaton** (1st in Round 2), DU CompSoc's **DurJam** (Game Jam)
  - Online courses completing/completed:
        (Coursera) Introduction to Machine Learning,  Quantitative Model Checking
  - Self-studied *Theory of Computation,  Complex Analysis II and Geometric Topology II* modules

*Reference available upon request*