

# PARIS MONGKOLKUL

Software Engineer

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## WORK EXPERIENCE

### SERTIS

Full Stack Developer Intern | July 2019 to September 2019

- Solely developed phase 2 of Diamonds Teach for Thailand, a web platform used by teachers to manage and generate exams using statistics-based algorithms.
- Worked on Fermi, a Smart Contracts energy platform, using Truffle Js and Ganache for blockchain implementation and wrote unit tests using Mocha and Chai Js.
- Implemented a RESTful API which uploads and stores big data for the Data Science team using Node with JWT and Passport Js (Google OAuth2.0 service).

### Garena Bangkok

Software Engineer Intern | July 2017 to August 2017

- Systematically went through mobile games to scan for bugs and presented the result.
- Conducted a player based survey to analyze in-game events to improve product marketing.

## PROJECTS

### Driving License Verification ZPK · Kotlin & React Js

- Created a distributed ledger proof of concept system for verifying digital credentials.
- Implemented Zero Knowledge Proofs and achieved decentralization using Hyperledger Indy SDK, with direct support from Sovrin.
- Integrated CI/CD through Azure and deployed through AWS.

### Obeo · Java

- Developed an Android application that allows tourists to connect with locals and vice versa.
- Integrated CI/CD, cloud features, and deployment through AWS.
- Incorporated Mesibo third party messaging service and Google Maps API.

### Thai Society Web · Node & React Js

- Solely developed and maintained a web application for Imperial Thai Society to announce events and record members' information.
- Styled with Anime Js and deployed using Nginx through Google Cloud Compute Engine.

### Arm 11 & the bot · C

- Built an arm 11 emulator and assembler in a group of four with Raspberry Pi.
- Created a marketing bot that automates online shopping sites as a project extension.
- Graded A\* overall.

## EXTRACURRICULAR AND VOLUNTARY WORK

- Imperial College Thai Society -

### President | 2019 - present

- Oversee all events, manage committees and finance, represent society with Union, and maintain relations with external organisations.
- Provide a family-like community for all 90+ Imperial Thai students.

### Event Coordinator / Screenwriter / Actor | 2017 - 2019

- Organized a variety of private and public events for the Thai society and external members.
- Performed as a main cast in the annual Imperial-UAL play (500+ attendees) and lead the production team of 60+ active members in the year after.

- Harrow International School Bangkok -

### House Captain | 2016 - 2017

- Head of the Byron house, consisting of 400 students and teacher, with the responsibility to delegate work and deadlines to committees, oversee house events, and organize meetings.

## CAREER OBJECTIVE

To obtain a challenging career and gain experience in the tech community as a software engineer, before further pursuing in the business or financial technology field.

Currently a final year BEng Computing student at Imperial College London. Experienced with both Object Oriented and Functional programming, having worked in a real project to meet real client's requirements using Agile development.

## EDUCATION

From October 2017 to June 2020  
**BEng Computing (Predicted 2.1)**  
Imperial College London.

From September 2013 to June 2017  
**A-levels of Computer Science, Physics, Maths, Further Mathematics (A\*A\*A\*A)**  
Harrow International School Bangkok.

## CORE SKILLS

Advanced

Java  
JavaScript

C  
HTML & CSS

Intermediate

C++  
Haskell

Python

Beginner

Elixir  
Solidity

Go  
Kotlin

**Node & React** (Express, Redux, Truffle, Anime etc.)

**Unit Testing:** Java JUnit, Js Mocha & Chai

**GCP:** Compute Engine, Cloud Function, Cron job, Cloud Storage

**AWS:** CodePipeline, EC2, RDS, S3

**Digital Ocean, Heroku**

**Kubernetes, Docker**

**CI/CD** with Gitlab

**Database:** Postgresql, MySQL, Mongo

**Security:** JWT, OAuth2, Passport Js

Deployment with **Nginx**

**Git** version control

**Linux** based environment

**Android app** development with Java

**Latex** Documentation

- Fluent in **English** (British citizen & IELTS 8) and **Thai** (native).
- Member of the volleyball (competed internationally + annual MVP award) and the badminton team (MVP award).
- Keen interest in filmmaking. Beginner to Intermediate level with Adobe Premiere Pro and After Effects.

\* Reference is available upon request.