

# Phuphat Pham - Junior Software Developer

London

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## Technical Skills

**Languages:** Python, using Jupyter with PyTorch, CUDA and Tensorflow Libraries | MATLAB | SQL, using PostgreSQL | Java | C#, using Unity and Xamarin | JavaScript, using browsers as environment

**Back-End:** SQL | PostgreSQL

**Front-End:** HTML | CSS | React

**Testing:** Test Driven Development(TDD), Android Emulator

**Hosting:** Netlify

**Other:** Agile and SCRUM methodologies

## Projects

### AI Jewellery Generator with NVIDIA StyleGAN3

Developed and hosted an AI-driven jewellery image generator on Netlify, utilising NVIDIA's StyleGAN3 to create avant-garde necklace designs. This solo project involved training the model on hundreds of images using Python, PyTorch, and CUDA in Jupyter Notebook and Google Colab, supported by Vast.ai's high-end GPUs. The application's purpose was to enhance digital content creativity for fashion accessories.

### StatTreck, Android mobile application for Fetching User Data

Developed 'StatTreck', a portfolio Android application aimed at monitoring mental health-related user data such as GPS and screen time. Utilised PostgreSQL to design a database with tailored formats and data types, ensuring precise data handling. Applied manual testing methods and SCRUM practices to align development with supervisor specifications, enhancing project delivery and functionality. This project was developed as a prototype and was not publicly released.

### G-Mail API Data Scraping

Dedicated significant effort to learning Google's API documentation, applying this knowledge to develop a Python-based automation tool for fetching unorganised business data to aid a small business. This project involved extracting and organising invoice data from Gmail's API, systematically categorising and converting hundreds of emails into .eml format monthly.

## Professional Experience

### FDM Group - Junior Software Tester Work Experience

London, 2023

- Collaborated effectively with team members using SCRUM methodology, splitting roles and responsibilities to enhance project efficiency and communication, while actively participating in meetings to ensure alignment and agile project progression.
- Developed proficiency in Manual Software Testing through hands-on experience in creating detailed test cases, identifying bugs, and authoring comprehensive defect reports to improve software quality.
- Delivered engaging presentations on manual testing methodologies and participated in knowledge-sharing sessions to enhance team competencies and project outcomes.

### The AA - Software Development Work Experience

London, 2018

- Engaged in shadowing experienced programmers to gain hands-on exposure to software development practices, enhancing understanding of coding standards, debugging processes, and software lifecycle management.
- Supported senior software engineers in real-time coding sessions, observing and learning best practices in software architecture and application development to improve technical proficiency.
- Participated actively in code reviews and troubleshooting sessions, leveraging opportunities to enhance knowledge in programming languages and tools, contributing to continuous learning and professional growth.

## Education

**University of Kent - Bachelor of Computing - Upper Second Class Honours (2:1)**

2020-2023

**Wilmington Grammar School for Boys - A-levels Predicted - B in Comp Sci, C in Mathematics, D in Physics**

2018-2020

**Wilmington Grammar School for Boys - 10 GCSEs Grade A to D - (including Maths and English)**

2013-2018

**Languages - English (Native), Cantonese (Native), Mandarin (Basic), German (Basic)**