

# Andrey Popov

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## EDUCATION

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### Imperial College London

*MEng in Computing*

London, UK

Oct. 2020 – July 2024

### Ashbourne Independent College

*A-Level A\*A\*A\* in Further Mathematics, Mathematics, and Physics*

London, UK

Jan. 2020 – July 2020

## EXPERIENCE

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### Software Engineering Intern

*Minimax Labs Limited*

Apr. 2023 – Sep. 2023

London, UK

- Developed Eclipse Platform Desktop Application using the Java programming language and EMF framework
- Created new UI components implementing tools for LNG optimization, patched existing features
- Made a brand new company website using HTML/CSS/JavaScript

### Undergraduate Teaching Assistant

*Imperial College London*

Oct. 2022 – Mar. 2023

London, UK

- Tutored Java, Kotlin and Haskell for the assigned group of first-year students
- Conducted regular Question-Answer seminars and revision sessions
- Reviewed and marked weekly coursework assignments and provided feedback

### Computer Science Private Tutor

*Self-Employed*

July 2022 – Present

Worldwide, Remote

- Tutored Python, C/C++, and Java for 20+ students
- Guided beginners and intermediate level adults and kids
- Created lesson plans tailored to the personal requirements of each client
- Improved tutees' academic performance and understanding of the subject

## PROJECTS

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### Scaling Extreme Startup | *Python, Flask, React.js, AWS, MongoDB*

Oct. 2022 – Jan. 2023

- Working in a group of six created an educational tool for an MSc course at Imperial College
- Developed a full-stack web application using Flask serving a REST API with React as the frontend
- The product has been successfully applied at the Deutsche Bank CI/CD workshop
- Played a key role configuring AWS Lambda, SQS and DynamoDB into flexible horizontally scalable system

### Project MmmmBoxes | *Python, Flask, JavaScript, Pytest, SQL (Postgres), OCR*

May 2022 – June 2022

- Produced solution for an existing problem in the managing of the package collection at universities
- Configured CI/CD pipeline that tests and deploys Flask Web application on Heroku
- Integrated OCR module for package label scanning and wrote a rich test suite for the database with Pytest
- Worked in a team of four with regular customer interaction for continuous feedback

### SAT: Self-Attachment Therapy Platform | *Unity, WebGL, Python, Flask*

Oct. 2023 – Present

- Developed Unity 3D game that helps patients follow the SAT protocol in psychotherapy
- Deployed the app as a WebGL build facilitated by the Flask server hosted on a private Hostinger VPS
- Implemented creation of a human avatar model from an image using AI-enhanced SDK
- Supervised by Imperial AHD researchers, conducted a human trial and delivered MEng project (expected)

## TECHNICAL SKILLS

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**Languages:** Java, Python, C#, C/C++, Kotlin, SQL (Postgres), JavaScript, HTML/CSS, Haskell

**Frameworks:** Flask, Eclipse EMF, React, JUnit, Django, PyGame Zero

**Developer Tools:** Git, Docker, AWS, Unity, Firebase, Android SDK, Godot, IntelliJ

**Libraries:** SWT, Boto3, SDL2, Google OR-Tools, Retrofit, TKinter, pandas, ANTLR

**Skills:** Patience, Organization, Presentation, Initiative, Empathy, Humility