

Andrey Popov

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EDUCATION

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

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

May 2019 – July 2019

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

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 London
- 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

SAT: Web-Based Platform for Self-Attachment Technique | *Unity, WebGL, Flask, JS*

Oct. 2023 – Present

- Developed Unity 3D Game that helps patients follow exercises for the SAT psychotherapeutic protocol
- Deployed the product as a WebGL build facilitated by the Flask server hosted on a private Hostinger VPS
- Implemented functionality of creating 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

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