Andrey Popov

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EDUCATION

Imperial College London   London, UK
MEng in Computing   *Oct. 2020 – July 2024*

Ashbourne Independent College   London, UK
A-Level A*A*A* in Further Mathematics, Mathematics, and Physics   *Jan. 2020 – July 2020*

EXPERIENCE

Software Engineering Intern   Apr. 2023 – Sep. 2023
Minimax Labs Limited   *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   Oct. 2022 – Mar. 2023
Imperial College London   *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   May 2019 – July 2019
Self-Employed   *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
- 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

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