

# MINAS AGHOPIAN

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Location: London

Right to work: UK and EU passport holder, Bilingual English and Croatian

## EDUCATION

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**University of York** | United Kingdom

Expected Graduation Date: June 2026

*M.S. Computer Science with Artificial Intelligence*

Grade: **3.6 GPA**

**Relevant Coursework:** Data Structures and Algorithms, Applied AI, Advanced Programming, Artificial Intelligence and Machine Learning, Computer Architecture and Operating Systems, Computer and Mobile Networks, Software Engineering, Big Data Analytics, Dissertation Modules

## TECHNICAL SKILLS

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- C, C++ (Boost, Qt) Java (Spring Boot, Native, JUnit), Python (Flask, Django, Pytorch, Tensorflow, Pandas, Numpy, Matplotlib, Scikit-learn), JavaScript (React.js, Node.js), Redux, TypeScript, Git, Github, Docker, SQL, MongoDB, VSCode, Agile, AWS

## WORK EXPERIENCE

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Title: **Software Engineering Co-Op (Internship)**

April – October 2025

Company: HubSpot

- Incoming six month Software Engineering Co-Op at HubSpot.

Title: Freelance Software Engineer – React, Typescript, Django

2025 – Present

- **Develop** custom websites for local businesses using React, TypeScript, and Django.
- **Communicate** with clients to understand their needs and deliver tailored solutions.
- **Maintain** and optimize websites for performance, SEO, and user experience.

## PROJECTS

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### Python-to-C Compiler

- **Designed and implemented a custom Python-to-C compiler**, showcasing advanced understanding of low-level programming and compiler design principles.
- Achieved **seamless translation of Python code to C**, optimizing execution performance and enabling deployment on resource-constrained systems.
- Utilized **C and Python programming expertise** to create a robust framework for handling complex language constructs.

### AI child mortality healthcare application

- **Conceptualized and engineered** an AI-driven application that accurately predicts global under-five child mortality rates with **96% accuracy**, aiding in strategic policy formulation and intervention planning.
- **Leveraged advanced machine learning frameworks**, including **Scikit-learn** and **TensorFlow**, to develop and train predictive models on a large, multi-regional historical health dataset.
- **Designed and optimized neural networks** for high precision, validating results against comprehensive datasets to ensure reliability across diverse demographics.

## NON-TECHNICAL EXPERIENCE

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- Four years of Recruitment agency experience, selling solutions to large multinationals, achieving invoices of over £250,000 annually.
- **Team-management and leadership** experience across the US and EU, managing a team of 6 on a complex, £1 million hiring project.
- Several years of restaurant experience, as a supervising waiter responsible for managing cash flow forecast and maintaining best practice.
- One year of **IT first line technical support** experience.