

MINAS AGHOPIAN

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Location: London

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

EDUCATION

University of York || York, United Kingdom

June 2024 – 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

- 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

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

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

- Four years of Recruitment agency experience, selling solutions to large multinationals, achieving substantial invoices of over £200,000 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.