

# MINAS AGHOPIAN

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Location: London

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

## EDUCATION

<b>University of York</b>    York, United Kingdom	June 2024 – June 2026
<i>M.S. Computer Science with Artificial Intelligence</i>	<b>Grade: 3.6 GPA</b>
<b>Relevant Coursework:</b> 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

<b>Title: Software Engineering Co-Op (Internship)</b>	<b>April – October 2025</b>
<b>Company: HubSpot</b>	
• Incoming 6-month Software Engineering Co-Op at HubSpot	

## PROJECTS

<b>Social Media Platform</b> – React/TS Frontend, Java/Spring backend	2025
• <b>Designed and implemented</b> a social media application using <b>TypeScript</b> and <b>React</b> .	
• <b>Integrated and deployed</b> frontend and backend services, using <b>RESTful API endpoints</b> .	
• Built a <b>robust authentication system</b> using <b>JWT</b> tokens and <b>bcrypt hashing</b> .	
• <b>Engineered</b> a <b>scalable</b> system using <b>PostgreSQL</b> with connection pooling for efficient data management.	
• <b>Netlify</b> (frontend) and <b>Render</b> (backend) with automatic deployment from GitHub.	
<b>Python-to-C Compiler</b>	2024
• <b>Designed and implemented a custom Python-to-C compiler</b> , showcasing advanced understanding of low-level programming and compiler design principles.	
• Achieved <b>seamless translation of Python code to C</b> , optimizing execution performance and enabling deployment on resource-constrained systems.	
• Utilized <b>C and Python programming expertise</b> to create a robust framework for handling complex language constructs.	
<b>AI child mortality healthcare application</b>	2024
• <b>Conceptualized and engineered</b> an AI-driven application that accurately predicts global under-five child mortality rates with <b>96% accuracy</b> , aiding in strategic policy formulation and intervention planning.	
• <b>Leveraged advanced machine learning frameworks</b> , including <b>Scikit-learn</b> and <b>TensorFlow</b> , to develop and train predictive models on a large, multi-regional historical health dataset.	
• <b>Designed and optimized neural networks</b> for high precision, validating results against comprehensive datasets to ensure reliability across diverse demographics.	

## NON-TECHNICAL EXPERIENCE

- Almost 4 years in Recruitment agencies, 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.
- Several years of restaurant experience, as a supervising waiter responsible for managing cash flow forecast.