MINAS AGHOPIAN

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http://minasaghopian.com/

Location: London - I am available to work anywhere in the UK and EU

Right to work: British and Croatian citizenship – 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), TypeScript, Git, Github, Docker, SQL, MongoDB, VSCode, Agile, AWS

WORK EXPERIENCE

Software Engineering Co-Op - HubSpot   **April – October 2025**

- Incoming 6 month Software Engineering Co-Op at HubSpot

Social Media Platform - https://socionetwork.netlify.app/   2025

- **Designed and implemented** a social media application using **TypeScript** and **React.**
- **Integrated** and **deployed** frontend and backend services, using **RESTful API endpoints**.
- Built a **robust authentication system** using **JWT** tokens and **bcrypt hashing**.
- **Engineered** a **scalable** system using **PostgreSQL** with connection pooling for efficient data management.
- **Netlify** (frontend) and **Render** (backend) with automatic deployment from GitHub.

Python-to-C Compiler   2024

- **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.

Slack Archiver   2024

- **Developed a comprehensive Slack archiving solution** that preserves communication history beyond Slack's 10,000-message limit, ensuring long-term data retention.
- **Built a RESTful API with Flask** to provide programmatic access to archived Slack messages, offering flexible and scalable endpoints for data retrieval.
- **Engineered an SQLite database** to store Slack messages with advanced data management techniques, including efficient retrieval and pagination for large data sets.
- **Implemented multi-threading** to support continuous message archiving, ensuring real-time data preservation and retrieval without interruptions.

AI child mortality prediction application   2024

- **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.

Data Science: Analysing Computer Science Student Data   2024
- Conducted an in-depth analysis of a **large dataset** of computer science students, uncovering trends in **grades, course selection**, and student outcomes to drive data-informed decisions in academic advising and curriculum development.
- Utilized **Pandas**, **NumPy**, **Matplotlib**, and **Scikit-learn** to perform **statistical analysis**, create compelling visualizations, and build predictive models.
- Developed machine learning models to **forecast student success**, providing actionable insights for improving **retention rates** and optimizing academic programs.

AI Chatbot   2024
- Designed and implemented an **AI-powered chatbot** for an **e-commerce platform**, enabling natural language conversations to enhance **customer support** and **product recommendation** services.
- Utilized **Python**, **Natural Language Processing (NLP)**, **TensorFlow**, and **Flask** to build a scalable, production-ready solution integrated with multiple APIs for seamless user interaction.
- Delivered a robust system capable of automating routine inquiries, driving **operational efficiency**, and enhancing the **customer experience**.

IT Helpdesk – Sainsburys/Webhelp (Large grocery retailer)   11/2020 – 08/2021
- Provided **first-line technical support** for customers encountering issues with **online grocery home delivery** and **click-and-collect systems**, resolving **60-100 inquiries daily** through phone support.

- Diagnosed and troubleshot a range of technical issues, including **account access problems**, **payment errors**, and **system outages**, ensuring minimal disruption to customer experiences.

Non-Technical Experience

Recruitment Consultant   September 2021 - Present

- Worked across multiple recruitment agencies in a variety of roles, from Recruitment Consultant to Managing Consultant and Founding Consultant.
- Specialized in **Governance, Risk, and Compliance (GRC)** recruitment, focusing on the Financial Services and Insurance sectors across the **UK, EU, and USA**.
- Successfully built client relationships and managed hiring campaigns for large clients, including banks and asset management firms.
- Managed and led teams across multiple time zones, achieving substantial invoicing totals, including £143,000 and $183,000 in previous roles.
- Developed key business skills such as **business development**, **client relationship management**, and **team leadership** while working in start-up and established environments.
- Awarded multiple accolades, including **Top Trainee** and **Consultant of the Month**, reflecting high performance and billing success.
- Gained significant experience in **selling services B2B**, managing senior stakeholders, and overseeing operational functions like payroll and back-office administrative tasks.

Supervising Waiter   01/2016 – 08/2020

- Take care of customer complaints and resolve them in a timely fashion.
- Provide the ideal guest experience.
- Ensure effective money management by effectively tracking sales and upselling.
- **Top salesman** at every restaurant I worked in.