Lewis McGuire
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Personal Profile

I am a second-year Computer Science student at the University of Dundee, with a strong interest in artificial intelligence, software development, and data science. I am eager to enhance my skills by working with industry professionals and gain hands-on experience through the BlackRock Summer Internship Programme for Artificial Intelligence. I bring experience in Python, Java, and teamwork, with a keen interest in applying AI to solve real-world problems.

Education

BSc (Hons) in Computer Science
University of Dundee
September 2023 – Expected Graduation: 2027

- Awarded the Computing Science Class Prize (Level 1) for outstanding performance
- Maintained an A average across all first-year modules

Key Skills

- **Programming Languages**: Proficient in Python, Java, HTML & CSS
- **AI & Machine Learning**: Upcoming module will deliver foundational knowledge
- **Collaboration Tools**: GitHub for team collaboration and version control
- **Problem-Solving**: Applied critical thinking and analytical skills to various project briefs
- **Communication**: Actively listened to ideas and ensured the team grasped project goals
- **Collaboration**: Worked closely with teammates, providing crucial support and guidance

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Relevant Experience

Java Team Project (Java, GitHub)

- Collaborated with a team to build a mock messenger app in Java. Played a key role in allocating tasks based on individual strengths.
- Assisted in debugging teammates' code when they encountered issues, helping ensure a smooth development process and promoting a supportive team environment.

Unix Systems Project (Bash Script)

- Provided clarity on project requirements to the team, ensuring all members understood the tasks, which resulted in faster project completion.

Embedded Systems Project (Python, HTML, CSS, JavaScript)

- Developed a Python-based learning tool to help users understand Morse code, applying problem-solving skills and integrating embedded systems with network functionality.

- Responsible for time management by ensuring each of us had individual tasks to complete, allowing us to make the most of our in-person meetings. Demoed project to the lecturer, highlighting key features and reflecting how the assignment turned out.

Mathematics Group Project (Microsoft Teams, Desmos)

- Led a group for our second maths project, organising meetings via Microsoft Teams to facilitate collaboration, especially when in-person meetings were challenging.

- Applied critical thinking and communication skills to synthesise ideas from team members, ultimately delivering a cohesive solution to the collaborative questions.

Web Development (HTML, CSS, Bootstrap)

- Participated in a group project to build a website, learning to use GitHub for collaboration and version control. This improved my ability to manage code in a team and track project progress, skills I later applied in the Java group project.

Leadership & Volunteering Experience

Track Captain, University Athletics Club (2024)

- Responsible for organising training sessions and ensuring effective communication within the team. Developed leadership and time-management skills through this role.

Volunteer, Salvation Army Charity Shop, Glasgow (2023)

- Gained valuable experience in customer service and team collaboration. Enhanced communication skills and contributed to achieving the shop's goals.

Extracurricular Activities

Quackathon (University Computing Society) (2024)

- Participated in a hackathon where I gained hands-on experience in multithreading by collaborating with a partner to develop a GUI-based application. Strengthened problem-solving and teamwork skills while navigating the demands of an intensive work period.

Achievements

- **Nominated for Go Abroad Programme**: Selected to participate in an exchange programme at the Australian National University, providing an opportunity to broaden my academic experience and engage with diverse cultures.

References available upon request