

# Morgan Daniel

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## EDUCATION

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### The University of Edinburgh

Bachelor of Science in Computer Science

Expected Graduation, July 2026

**Relevant Courses:** Functional Programming (Haskell), Object-oriented programming (Java), Data Science (Python), Computer Systems (C, MIPS), Algorithms and Data Structures, Software Architecture and Discrete Mathematics.

## EXPERIENCE

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### PlayerData

Software Engineering Intern

Jun 2024 – Sep 2024

- Used React Native, TypeScript, Jest, and Storybook to develop features for a sports tracking app, following Figma designs to ensure a seamless user experience and facilitating component development and testing.

Student Software Engineer

Sep 2024 – Present

- Continued post-internship work on the API, utilizing Ruby on Rails, GraphQL, and RabbitMQ to enhance the notification system, improving real-time updates and communication within the application.

### Outfit of Tomorrow

Web Developer

Oct 2022 – Jun 2024

- Used vanilla HTML, CSS, JavaScript with a Headless CMS to develop a website that enabled easy product updates, improving content management and supporting the company's sustainable mission.
- Built a Chrome browser extension to recommend sustainable clothing alternatives, increasing eco-conscious shopping and aligning with the brand's goal to promote environmentally friendly choices.

### Legends Sports Bar

Designer & Software Developer

Jun 2022 – Jun 2024

- Developed a mobile app using React Native and deployed it to both iOS and Android platforms, increasing customer accessibility and streamlining the ordering process.

## ACTIVITIES & LEADERSHIP

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### Edinburgh University Men's Hockey Club

Website Secretary > Treasurer

May 2023 - Present

- Designed and maintained the official website for the largest men's university sports club in the UK, growing traffic to 1,000 unique users per month and providing 200 members with streamlined access to club information and events.
- Organized and tracked membership fees, event expenses, and budgeting, ensuring financial transparency and effective allocation of resources.

### Hack the Burgh

Tech Team Lead

March 2024

- Used React.js, Sass, Three.js, Python, and Django to design and develop the website for the 10th iteration of the university's largest hackathon, attracting over 300 applicants.
- Created and judged a software challenge aimed at enhancing everyday life through practical solutions, increasing participant engagement and elevating the overall event experience.

## PROJECTS

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**Mythelix:** AI-driven platform for generating unique card designs, built with Next.js, TypeScript, SCSS, and Python. Deployed on Vercel, with data stored in MongoDB Atlas and media managed via Google Cloud Storage.

**TSP Visualiser:** Interactive solver for the Traveling Salesman Problem, allowing users to better understand the problem and compare approximation algorithms through dynamic visualizations.