

## Summary

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First-Class Computer Science graduate specialising in full-stack Python development, machine learning, and web technologies. Experience building production-style applications, including a Python-based fantasy league platform supporting live users and a TensorFlow neural network trained on large gameplay datasets. Strong foundation in software engineering, data processing, and user-focused product development.

## Skills

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**Languages:** Python, Java, SQL

**ML & Data:** TensorFlow, Keras, scikit-learn, Pandas

**Web:** React, Next.js, Tailwind CSS, HTML, CSS

**Databases:** PostgreSQL

## Projects

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Full-stack Python Software Engineer | **Fantasy League Application** | Python, Postgres, SQL

- Built a Python Windows application hosting online fantasy leagues for Street Fighter 6.
- Shipped 12+ user-facing features across league management, team drafting, and event tracking.
- Refactored backend and PostgreSQL schema to support 50+ active beta users.

Machine Learning Software Engineer | **Footsies Neural Network** | Python, TensorFlow, Data Science

- Developed TensorFlow neural-network AI agent for gameplay accessibility.
- Built data pipelines preprocessing 100,000+ gameplay frames.
- Tested 100+ hyperparameter configurations to minimise validation loss.

Frontend Next.js Developer | **Brand Website** | Next.js, React, Tailwind CSS

- Developed and deployed brand website using Next.js, React, and Tailwind on Vercel.
- Built responsive UI and scalable frontend architecture.
- 50+ monthly users via social channels (Twitter, Instagram, Facebook, YouTube).

## Education

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**BSc (Hons) Computer Science** | First Class

University of Portsmouth, Sep. 2022 – July 2025

**A-Levels** | Mathematics (A), Physics (A), English (B)

Queens' School Bushey, Sep. 2020 – July 2022

## Experience

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**Dec. 2023 – July 2025** | Customer-Facing & Education Roles

## Hobbies & Interests

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### Competitive Street Fighter 6 Esports

- Placed 33rd out of 1700+ players at the largest European open tournament.
- Applied performance analysis, matchup research, and iterative improvement strategies.

### Content Creation & Professional Coach

- Produce educational gaming and technical content for 7,000+ YouTube subscribers.
- Translate complex technical and gameplay concepts into accessible learning material.

### Martial Arts

- Achieved 2nd highest Dan rank after ~4 years of consistent weekly training.
- Demonstrated discipline, long-term goal setting, and performance consistency.