Osi Mayungbo

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EDUCATION

University of St Andrews   Fife, United Kingdom
BSc (Honours) Computer Science   *Sep 2024 – Jun 2027*
- Current Grade: First Class Honours
- Direct entry into the 2nd year of a 4-year degree

EXPERIENCE

Arm   Cambridge, United Kingdom
Software Engineer Intern   *Jun 2025 – Aug 2025*
- Incoming Software Engineer Summer Intern on the Numerics Team (Performance Optimisation with C)

Service101 (Contracted through TechCortex)   Remote
Software Engineer   *Jan 2025 – Present*
- Developed a platform for Service Advisors used by 150+ dealerships with React, Next.js, and Supabase
- Refactored and optimised codebase, reducing 500+ lines of code and enhancing overall user experience
- Wrote tests for 25+ TypeScript files using Jest and resolved 4 critical production issues, improving site stability

Millennium   London, United Kingdom
Meet Millennium Selected Participant   *May 2025*
- Explored trading, technology, and AI innovation at Millennium through talks, alumni panels, and workshops
- Won the team engineering trading challenge with a Python arbitrage strategy, generating £50M+ on new data

Susquehanna International Group (SIG)   Dublin, Ireland
Discovery Days (Spring Insight Programme) Selected Participant   *Apr 2025*
- Gained insights into trading and technology at SIG through employee shadowing, networking, and workshops

Citadel   London, United Kingdom
Discover Citadel & Citadel Securities (Spring Insight Programme) Selected Participant   *Mar 2025*
- Selected as one of 80 from 4,729 applicants across Europe to gain insights into Citadel and Citadel Securities through networking with employees and workshops in quantitative finance, trading, and engineering

PROJECTS & EXTRACURRICULAR

Ant Colony Simulator | *Python, NumPy*
- Developed custom algorithms to replicate realistic ant behaviour in a user-friendly interactive environment
- Designed an ant colony optimisation algorithm for pathfinding, improving ant food collection efficiency by 74.78%
- Integrated vector mathematics and geometric algorithms to accurately detect and resolve collisions between entities
- Implemented a grid system using NumPy matrices to efficiently manage pheromone strengths and positions

Terminal-Based Text Editor | *C*
- Developed a text editor using C without external libraries, featuring search functionality and syntax highlighting
- Implemented a dynamic text buffer to handle text insertions and deletions, reducing memory reallocation by 90%

Breast Cancer Patient Management System | *Django, Pandas, Python Image Library (PIL), React, PostgreSQL*
- Led a team of 4 in developing a web app for oncologists during the TechAcademia x DotPlot Accelerator programme
- Developed a tool using PIL to automatically highlight tumor regions on a torso image based on specified coordinates
- Implemented Django models and RESTful APIs to handle CRUD operations and to process data using pandas

Mercury Capital Management (Student Led Investment Fund) | *Python, NumPy, QuantConnect*
- Developed a statistical arbitrage trading strategy achieving 38% annual returns and presented to the fund's members

SKILLS

Programming Languages: Python, Java, C, C++, SQL, JavaScript, TypeScript, HTML, CSS
Technologies/Frameworks: NumPy, Pandas, Matplotlib, Flask, Django, ExpressJS, React, NodeJS
Tools: Git, Firebase, Postman, Figma