BENEDICT ANOKYE-DAVIES

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LinkedIn | GitHub | Authorised to work in the UK

EDUCATION

University of Nottingham | BSc Computer Science with Artificial Intelligence Expected June 2028
Nottingham, UK

- First-year average: 71.3% (provisional).
- Relevant modules: Programming & Algorithms (72%), Databases & Interfaces (74%) and Programming Paradigms (76%).

WORK EXPERIENCE

SportsQuantX | Freelance Software Engineer January 2026 – Present
Paid freelance client project | Python, FastAPI, PostgreSQL | Remote, UK

- Develop and operate a Python trading platform for a paying client, supporting 329 exchange-confirmed fills across 163 Kalshi sports markets between April and September 2026.
- Added configurations for eight league competitions and verified 45 team-identity mappings against provider data, keeping new leagues disabled pending strategy calibration.
- Implemented persistent order tracking and restart recovery, requiring evidence from exchange fills and positions before treating an interrupted order as successful.
- Added per-league dashboard caching. Cached schedule responses met a 500-millisecond 95th-percentile limit in CI tests, with separate coverage for a 150-game league schedule.

SELECTED PROJECTS

Esscher | Financial event research and paper trading August 2026 – Present
Team project | Python, SQLite, Alpaca MCP | GitHub: Esscher

- Built an Alpaca MCP integration so the team can submit and cancel paper orders, close positions and check broker fills as part of research into scheduled financial events.
- Built a command-line runner to execute approved trading events on schedule, prevent overlapping runs and save progress, giving the team a repeatable workflow for paper-trading experiments.
- Integrated seven team branches into a release candidate and verified that a clean-installed package could run a four-event offline evaluation.

AEOLUS | Environmental simulation and machine learning July – August 2026
Team project | Python, PyTorch, NumPy | GitHub: AEOLUS

- Built the simulation foundation for an environmental-control project, modelling airflow, temperature and resource use across connected zones. Added repeatable scenarios and equipment and sensor faults to test how controllers respond.
- Trained a 2.1-million-parameter neural forecaster for eight-step simulation forecasts and integrated it into an advisory-only demo, leaving plant actions under deterministic control.
- Benchmarked a separate fault detector on 7,995 held-out samples, finding the rule baseline outperformed the learned detector (macro-F1 0.641 versus 0.577).
- Benchmarked the neural forecaster on Arm Neoverse-N2 at 192.7 microseconds median per eight-step forecast over 1,000 inference repetitions.

ADDITIONAL INFORMATION

Programming languages: Python, SQL, Java, C
Technical skills: PyTorch, NumPy, FastAPI, PostgreSQL, SQLite, REST APIs, pytest, Git, Linux, systemd, Nginx
Awards: Bloomberg x Sutton Trust Career Skills Bursary (2026) | Sutton Trust Scholar (2023 – Present)
Interests: Chess openings and game analysis, Sudoku and strength training