Benitas Sirutis

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EDUCATION

University of Exeter | BSc Computer Science   Sep. 2023 – Jun. 2026 | Exeter, UK
- **Predicted 1st Class Honours**
- Relevant coursework: Data Structures and Algorithms, Computational Mathematics, Operating Systems, Database Theory & Design, Artificial Intelligence & Applications

Richard Huish College | A Levels   Sep. 2021 – Jul. 2023 | Taunton, UK
- A* - Mathematics, A - Computer Science, A - Physics

WORK EXPERIENCE

BNY | Software Engineer Intern   Jun. 2025 – Aug. 2025 | Manchester, UK
- Patched critical security vulnerability in enterprise platform, mitigating risk for 50K+ employees
- Built Spring Boot microservices with Snowflake integration, automating workflows and saving $\sim$ 25 hours weekly
- Led project demos showcasing automation processes to stakeholders, driving adoption of automated workflows
- Deployed platform to production with Splunk monitoring and automated health checks, ensuring system reliability
- Integrated microservices into CI/CD pipeline, enabling automated testing and deployment

PROJECTS

LeadGreen — Co-Founder | *Django, React, JWT, PostgreSQL, Amazon AWS*   2025
- Created a campus-wide sustainability platform for university students, tracking sustainable actions
- Designed QR code verification system for real-time action validation and point redemption
- Implemented secure authentication with JWT tokens, incorporating refresh rotation and token blacklisting
- Built full-stack application with Django backend, React frontend, and AWS cloud infrastructure

Pathfinding Visualiser | *C++, SFML, CMake, ImGui*   2025
- Developed an interactive algorithm visualiser supporting Dijkstra's, A*, and BFS, with real-time visualisation
- Engineered cross-platform application architecture using CMake, with modular rendering/UI layers
- Implemented dynamic grid management and obstacle placement for flexible experimentation
- Built tooling for saving/loading grid states and provided interactive controls for algorithm selection and execution

Frauducate — Hack South West Hackathon UK | *Python, Flask, React, OpenAI API, Figma*   2024
- Developed learning platform helping international students identify fraud during university onboarding process
- Implemented AI language model to simulate fraudulent conversations, providing training for fraud recognition
- Created interactive quiz system testing user knowledge and increasing scam awareness

Unplug'd — Google Developer Student Clubs Hackathon | *C++, Python, Windows API, Tkinter*   2023
- Led team creating desktop application for real-time power consumption and cost monitoring estimations
- Engineered multi-threaded CPU monitoring, achieving up to 20% power consumption reduction
- Built Python GUI with data visualizations and cost prediction analytics

LEADERSHIP EXPERIENCE

ExeAI — Co-Founder   Dec. 2024 – Mar. 2025 | Exeter, UK
- Led and managed Machine Learning workshop course for 100+ virtual and 50+ in-person attendees
- Partnered with Entrepreneur and Google Developer societies, expanding program reach and impact
- Designed and delivered advanced ML curriculum covering practical applications and industry best practices

TECHNICAL SKILLS

Languages: Java, C++, C#, Python, JavaScript, TypeScript, SQL
Frameworks: Spring Boot, Angular, Django, React, Node.js, Next.js
Cloud/DevOps: AWS (S3, EC2), GitLab CI/CD, Microservices, Docker, Snowflake
Developer Tools: Git, Jira, GraphQL, Splunk, Postman, Maven, Gradle, JUnit, PyTest