Daniel Dakin

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SUMMARY

Computer Science undergraduate at the University of Surrey with strong interests in AI, Cybersecurity, and Software Engineering. Experienced in Java systems, REST APIs, and AI agents through academic work and hackathons. Currently seeking a 2026 placement to apply technical and problem-solving skills in a real-world setting.

SKILLS

- Languages: Java, Python, JavaScript, SQL, HTML/CSS
  Frameworks: Javalin, NumPy, Matplotlib, Gymnasium, React (basic)
  Tools: Git, GitHub, SQLite, VS Code, IntelliJ, Linux
  Concepts: OOP, REST APIs, MVC, Reinforcement Learning, Cybersecurity (self-study)

WEBSITES, PORTFOLIOS, PROFILES

- https://www.linkedin.com/in/daniel-dakin-792613338/
- https://github.com/dDakin06

EXPERIENCE

January 2022 - Current
Stock Control & Customer Experience Assistant Tesco

- Maintained stock accuracy and responded to customer queries in a fast-paced environment.
- Worked collaboratively with team members, and adapted to changing priorities during busy store hours.
- Received positive feedback from team leaders for attention to detail, consistency, and thoroughness.

EDUCATION

A-Levels
Garth Hill College Sixth Form

- 2022 – 2024 | Maths (B), Business (B), Computer Science (C)

BSc | Computer Science
University of Surrey

- 2024 – Present | First Year Average: 69.75% (on track for First Class Honours)

HOBBIES AND INTERESTS

I'm passionate about Artificial Intelligence and its role in shaping the future of technology. I enjoy exploring how AI can enhance systems across areas like , finance, cybersecurity and help in day to day life, as well as the challenges of building safe, interpretable, and ethical AI systems. I regularly study AI safety and alignment to understand how we can prevent unintended consequences as systems become more powerful.Outside of academics, I'm very active and enjoy staying fit through football, going to the gym, and indoor climbing. I also love travelling, experiencing new cultures, and pushing myself outside my comfort zone whether through physical activity or learning something new. These experiences help build my resilience, teamwork, and adaptability qualities I carry into my academic and professional work.

PROJECTS

· FlickFinder – Java REST API for movie search (Javalin, SQLite)
· - Built searchable REST backend with controller-DAO pattern and unit testing.
· Encode AI Hackathon - AI Wallet Explainer (React, Flask, OpenAI)
· - Summarised Ethereum wallet activity using OpenAI + Etherscan APIs.
· CartPole RL Agent – Gymnasium + PyTorch
· - Trained a Deep Q-Network (DQN) agent to solve CartPole with stable performance.
· Flappy Bird with Deep Q-Learning – PyTorch
· - Followed tutorial to implement DQN with experience replay and Q-learning.