

Harry Tiger Miller

Computing Graduate

Harry Tiger Miller

United Kingdom

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Current Portfolio: <https://harrytmiller.github.io/portfolio2>

Archive Portfolio: <https://harrytmiller.github.io/portfolio/#/Intro>

GitHub: <https://github.com/harrytmiller>

LinkedIn: <https://www.linkedin.com/in/harry-miller-848171379/>

Professional Profile

I am 22 years old and I have a First-Class Honours degree in Computing and a strong passion for different aspects of software engineering. I understand key usability, security, networks, cloud and database principles. I am eager to develop my skills, collaborate with experienced professionals, solve technical problems, and contribute to creating innovative software. You can find a more comprehensive view of my profile and projects at [portfolio](#), complete with pictures and running prototypes.

Technical Skillset

-Programming languages: Python, Java, JavaScript, TypeScript, Dart, HTML, CSS, SQL and SPDL

-Frameworks and libraries: Spring Boot, React, Next.js, Node.js, Prisma ORM, Apollo Client, Flutter, Three.js, and Tailwind CSS

-Databases: SQLite, PostgreSQL, Neon (serverless Postgres), and Firebase

-Core knowledge: usability, security, networks, software engineering, microservices architecture, webhook-driven architecture, testing methodologies, databases, 3D modelling, animation, artificial intelligence, cloud computing, cryptography, and payment processing

-Software: VS Code, IntelliJ, Pyzo, Cisco Packet Tracer, Docker, Github, CI/CD tools, Lucidchart, Vercel, Stripe, Clerk, Resend, PowerShell, Stable Diffusion, TripoSR, and more

-Developed: a production-grade e-commerce platform, full stack web applications, a full stack mobile application, genetic algorithm models, neural network models, AI processing pipelines, AI decision-making systems, 3D models, 3D animations, security protocols and network models

-E-commerce platform: stock & orders database, admin control panel, order processing (cart → payment → fulfilment/refund), MFA, role-based auth, webhook-driven emails, race-safe atomic transactions, deployed serverlessly on Vercel with Neon Postgres

-Experience integrating and working with APIs: Firebase, Stripe, Clerk, Resend, Edamam API, Hugging Face, Stability AI, RESTful API design, GraphQL, webhook integration, and local AI model deployment

-Experience with CI/CD pipelines: GitHub Actions automated workflows and version control, Docker containerization and automated build processes, Vercel deployment and hosting workflows

-Unit and widget testing on multiple applications

-Worked as part of a development team on various occasions

Education

University of Portsmouth 2022-2025:

BSc Computing, First Class Honours

Year 2 Avg: 74.4 Year 3 Avg: 70 GPA: 4.00

Modules included: Software Engineering Theory and Practice, 3D Computer Graphics and Animation, Database Principles, Artificial Intelligence, Advanced Networks, Security and Cryptography, Usability Testing, and more

Cheam High School 2020-2022:

2 A-levels: Accountancy B and Mathematics C

1 BTEC: Information Technology, Distinction*

Cheam High School 2015-2020:

9 GCSEs: English literature, English language, Mathematics, Physics, Chemistry, Biology, Computer Science, Geography and French

1 BTEC: Creative Media

Certificates

AZ104: Azure Administrator Associate certification

AZ900: Azure Fundamentals certification

CLF-CO2: AWS cloud practitioner certification

Experience

Bill's Restaurant- November 2020 to September 2022

Worked in a fast-paced environment, assisting back-of-house operations with kitchen support duties. Provided efficient and reliable assistance to ensure smooth workflow.

Spares for Homes - March to July 2020

Managed order processing tasks, including printing, packing, and shipment preparation, ensuring accuracy and efficiency. Assisted with inventory control by checking in deliveries.

Tree Felling - July to September 2020

Performed log chopping and branch shredding tasks, ensuring efficient processing materials. Maintained a safe and organised work environment while handling equipment.

Hobbies and Interests

I am committed to continuous learning, with post university studies focussed on artificial intelligence, cloud concepts and software engineering practices. I have visible tattoos, including on my face and neck, and maintain a professional, approachable presence in all work environments