

RAPHAEL TAYLOR

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Motivated software developer with a **background in the arts**, where I honed **clear communication, adaptability, attention to detail**, and the ability to deliver **complex projects**. My recent MSc in Software Development has reinforced this foundation with strong **technical skills** and hands-on experience in modern **development practices**. I am eager to apply my interdisciplinary background to build **effective software solutions** and contribute to a **collaborative, forward-thinking tech team**.

SKILLS

- **Technical:** Java, Python, SQL, JavaScript, HTML, CSS; Adobe CC (Photoshop, Illustrator, InDesign)
- **Creative:** Strong visual design skills, proficient in drawing, painting, and graphic design.
- **Professional:** Excellent **communication** and **presentation skills**, adept at **problem-solving**, and a **keen learner**.

EDUCATION

MSc with Distinction in Software Development University of Glasgow, 2023 - 2024

- Focused on core disciplines like **programming, OOP, algorithms, data structures, networks, and databases**.
- Developed understanding in **full-stack development**, by deploying a travel website using **Python** and **Django**.
- Collaborated within an **Agile SCRUM team** to develop a Java game, applying **software engineering principles**.
- Worked on **collaborative team projects**, applying **version control (Git)**, and **test-driven development**.
- Gained **leadership skills** by leading a team that produced a report on the **cybersecurity** of cloud services.
- Delivered **presentations** and technical **reports**, enhancing **communication** and **documentation** skills, including a presentation on using **SQL** for moving averages in financial **trading charts**.
- Gained understanding of **low-level computing** through the study of **computer hardware** and **assembly**.
- Completed a research-based dissertation on **graph theory**, demonstrating **analytical** and **problem-solving** skills.
- Developed practical skills in **prompt engineering** for **generative AI** and gained initial experience with local **neural network** execution using **PyTorch**.

BA (Hons.) 2:1 in Painting and Printmaking Glasgow School of Art, 2017 - 2020

- Honed invaluable soft skills such as **critical thinking, effective communication, and creative problem-solving**.
- Strengthened **verbal communication** and **analytical capabilities**, alongside proficiency in delivering and responding to **constructive criticism**, through regular engagement in weekly peer critiques.
- **Collaborated** effectively in teams to conceptualise, organise, and execute art exhibitions, developing strong **project coordination** and **teamwork** skills.
- My artistic practice was marked by the integration of technology, especially by using Raspberry Pis and **generative AI** tools like Stable Diffusion. Began my journey of using the **command line, linux, and SSH**.
- Through self-taught programming, I've demonstrated **commitment** and **adaptability**.

WORK EXPERIENCE

Frontend Developer and Graphic Designer Modern Tuition, London, June 2020 – January 2025

- **Designed** and implemented **frontend UI** for blogs, chatbots, podcast player, and review page. Gained experience with **HTML, CSS, and JavaScript**.
- Translated **user requirements** into **wireframes** and prototypes for testing purposes.

- Produced bespoke **graphic designs** for logos, websites, and marketing materials, aligning with brand messaging and strategy.
- Presented to **stakeholders** frequently to gather feedback and requirements and **iterated quickly** on designs.

Admin Officer

Home Office, Glasgow, April 2023 – September 2023

- Processed asylum applications efficiently, adhering to **operational targets** and **SLAs**.
- Ensured **GDPR compliance** in **data handling**, maintained accurate records, and managed sensitive information securely.
- Stayed updated with asylum policies, **communicated effectively** with **diverse groups**, and provided essential guidance to applicants.

PROJECTS

WebGraph: Developed a browser extension that visualises bookmarks as an interactive network graph, enabling users to organise web content through semantic tagging and visual clustering. Built with **D3.js** for **data visualisation** and **Chrome's Storage APIs**.

Rendezvous: Designed and developed a dynamic platform connecting travelers through shared experiences. Features include user-generated travel posts, global maps, personalised profiles, tagging, and commenting. Built with **Django** and **SQLite3**. Used **Google Maps API**.

WWI Bombing Operations Visualisation: Developed three interconnected visualisation systems exploring Allied aerial bombing operations during WWI, featuring interactive geospatial mapping, temporal analysis, and multi-dimensional data exploration across 1,441 missions. Built with **JupyterLab**, **Altair**, and **Matplotlib**.