

Taylor Scott

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EDUCATION

University of Glasgow

2021 – 2026

MSci Computing Science with Data Science, First Class Honours

SKILLS

Stack	Python, SQL, JavaScript, HTML/CSS, React Native, LAMPy (Linux, Apache, MySQL, Python)
Libraries	Pandas, NumPy, Scikit-learn, FLAML, PyTorch, Matplotlib, Seaborn, Plotly, BeautifulSoup
Also used	R, C/C++, Java, Haskell, Bash, Sigma16 Assembly
Domains	Machine learning, statistical analysis, data acquisition and preprocessing, NLP, computer vision, data visualisation, large-scale databases, cloud infrastructure, full-stack web, mobile development

EXPERIENCE

Software Developer

2023 – 2024

MyStudentYears, Charity Client Project, University of Glasgow

- Acted as client liaison in a five-person team, translating a non-technical charity stakeholder's requirements into development decisions and keeping delivery aligned throughout; participated in formal handover including GPL-3.0 licensing, credential transfer, and Apple and Google acceptance testing submission.
- Designed and built the data layer between the React Native app and Strapi CMS, resolving a relational gap the CMS could not handle natively; built the reusable data-fetching architecture used across the app and designed the content input system mapping question types to appropriate CMS channels.

IT Support Placement

May 2019

Greaves West and Ayre, Accountancy Firm

- Worked across the firm's full IT remit: server room fault response, client laptop provisioning, virtualised phone system support, and in-house software maintenance including tracing errors in C-family code.
- Participated in a cybersecurity investigation into a pattern of incoming connection attempts from foreign IP addresses, exploring the firm's proxy infrastructure and its configuration for remote staff access.

PROJECTS

LLM Cognitive Bias in Software Effort Estimation

2025 – 2026

- First systematic replication of human software effort estimation bias experiments using five frontier LLMs as synthetic participants; sixteen experiments from seven papers against real open-source project data (TAWOS). Statistical analysis in R confirmed LLMs reliably reproduce anchoring bias while diverging from human baselines in two areas. Full replication package published openly on GitHub.

Fight Foresight, MMA Outcome Predictor

2025 – present

- ML pipeline predicting UFC fight outcomes from approximately 550 engineered features across a dataset of 500,000+ fights; achieves 78% accuracy at the 70% confidence cutoff. Built a resumable multi-worker data acquisition pipeline across 92,000+ events. Ensemble combines a FLAML base model, betting odds, and community picks with fractional Kelly sizing.

Isaac Quiz, Google Play

2020 – present

- Full-stack daily quiz game shipped to Google Play before beginning university; 14,000+ organic downloads with no marketing spend. Architected a LAMPy backend with MySQL for session tracking and daily content delivery. Currently migrating from a legacy Cordova build to a React Native and Expo architecture.

Cake-Cutting Algorithm Visualiser

2024 – 2025

- Developed as a Level 4 independent project, an interactive step-through visualiser for three fair-division algorithms (Cut and Choose, Selfridge-Conway, Dubins-Spanier) with a custom piecewise value function graph editor, copy-paste interoperability, full playback controls, and adjustable agent count. Live at tjqscott.com/cake.

Personality Assessment App, Google Play

2019

- Independently designed and shipped a personality assessment application to Google Play using HTML5, CSS3, JavaScript, and Cordova; 1,600+ downloads. Features a randomised sliding-scale questionnaire, a manual trait picker, and detailed personality profiles.

AWARDS AND VOLUNTEERING

Chief Scout's Platinum Award | Duke of Edinburgh Silver Award | Saltire 200 Hour Volunteering Award