LEE SCOTT

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EDUCATION

University of St Andrews — *Sep. 2021 – May 2025*
BSc (Hons) Mathematics (Expected 2:1)

University of Glasgow Sutton Trust Summer School — *Jul. 2020*
Engineering Academic Skills (A)

Greenfaulds High School — *Aug. 2015 – Jun. 2021*
Advanced Highers: Mathematics (A), Art & Design (C)
Highers: Mathematics (A), English (A), Physics (A), Computing Science (A), Graphic Communication (A), Design & Manufacture (A), Art & Design (A)

WORK EXPERIENCE

Sales Associate – TAAKs of Scotland LTD — *Sep. 2024 – Present*
Handled sales, managed store closing/ operations and provided customer service. Developed strong organizational skills through maintaining the store. Enhanced collaboration and initiative by working effectively within a team to meet sales targets and deliver a positive customer experience.

GCHQ Work Experience Day — *Jun. 2020*
Gained insight into the operations of the tech and cybersecurity industries. Exposed to tasks involving encryption, ethical hacking and data analysis. This experience sparked an interest in cybersecurity and strengthened my analytical skills.

Freelance Designer — *2015-2019*
Created customized social media branding and advertisements for clients. Direct collaboration with clients has helped me to improve my client communication and project management skills. Working in a design-focused environment also enhanced my creativity, enabling me to deliver innovative solutions.

ACADEMIC PROJECTS

Data Augmentation for Deep Learning on Images (BSc (Hons) Mathematics Dissertation) — *Sep. 2024 – May 2025*
Implemented deep learning models using TensorFlow in Python to investigate the impact of data augmentation techniques on convolutional neural network (CNN) performance. Focused on classifying pigmented lesions from the Skin Cancer MNIST: HAM10000 dataset. Applied augmentation techniques such as rotation, flipping and hue adjustment to help enhance model accuracy.

Optimal Treatment Methods for Breast Cancer Patients and Involvement of the Estrogen Receptor Gene (ESR1) in Method Choice (MT4561 Project) — *Sep. 2024 – Dec. 2024*
Performed an exploratory data analysis on the NKI Breast Cancer Dataset. Utilized statistical techniques in Python (polynomial regression, Pearson correlation coefficients, statistical testing) to develop understanding on relationships between survival outlooks and expression levels of the ESR1 gene. Examined different groups (low and high ESR1 expressors) to investigate variations in optimal treatment methods for different severities of cancer.

AWARDS

General Wardlaw Scholarship – University of St Andrews — *2021*
Awarded a merit-based scholarship recognizing academic excellence in underprivileged students.

1st in Mathematics – Greenfaulds High School — *2021*
Received the highest grade in Advanced Higher Mathematics.

The Ascent – Saltire Award — *2020*
Awarded for completing 50 hours of volunteering, done at XS Taekwondo club.

SKILLS, ACTIVITIES AND INTERESTS

Programming Languages: Python, R, Java

Frameworks/ Libraries: TensorFlow, SciPy, tidyverse, Git

Tools and Software: Microsoft Office Suite, Jupyter Notebook, Adobe Photoshop, Cinema 4D

Activities:
- **Scuba Diving - BSAC Ocean Diver**
  Member of university sub aqua committee as social secretary, responsible for planning meetings and promoting inclusivity. Scuba diving involves a lot of responsibility and safety procedures which has helped me to develop my leadership and planning abilities.
- **Taekwondo**
  Achieved a black belt and competed in Scottish, British and Pan-European Championships, earning 3 gold, 4 silver and 2 bronze medals. Volunteered as an instructor, enhancing my leadership, teamwork, and mentoring skills by guiding club members to refine their skills.

Interests: Chess, football, art/ design, video games, traveling and exploring nature.