

# Emily Clarke

## Graduate Forensic Scientist

Dundee, United Kingdom · emily.clarke@gmail.com · +44 7456 392 841 ·

linkedin.com/in/emilyclarke-forensic



Forensic science graduate from the University of Dundee with laboratory experience in DNA profiling, toxicology, and trace evidence analysis. Completed a **12-week placement** at the Scottish Police Authority Forensic Services, processing **80+ evidential samples** and contributing to casework across drug analysis and body fluid identification. Graduated with a **2:1 (68% average)** and a strong foundation in chain of custody, quality management, and court-ready reporting.

## EXPERIENCE

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**Forensic Science Placement Student**, Scottish Police Authority - Forensic Services, Dundee *Jun 2025 – Aug 2025*

Completed a 12-week placement rotating through the biology, chemistry, and drugs sections of the forensic laboratory.

- Processed **80+ evidential samples** including swabs, clothing items, and biological fluids under supervised conditions
- Performed **25 presumptive tests** for body fluid identification (blood, saliva, semen) and recorded results for case files
- Assisted with **15 drug analysis cases** using GC-MS and HPLC, identifying controlled substances in seized materials
- Maintained strict chain of custody protocols across **all samples handled**, with zero contamination incidents

**Student Lab Demonstrator**, University of Dundee, Dundee *Sep 2024 – May 2025*

Demonstrated forensic science practical sessions for second-year students.

- Supervised **3 lab sessions per week** covering fingerprint analysis, blood pattern analysis, and trace evidence collection
- Marked **70 practical reports** per semester with written feedback

**Retail Sales Assistant (Part-time)**, Next, Dundee *Sep 2022 – May 2025*

Worked weekend shifts throughout university at a high street fashion retailer.

- Served an average of **60 customers per shift** and maintained stock room organisation

## EDUCATION

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**BSc (Hons) Forensic Science in Forensic Science**, University of Dundee, Dundee *Sep 2022 – Jul 2025*

Graduated with Upper Second Class Honours (**2:1, 68% average**). Programme accredited by the Chartered Society of Forensic Sciences.

- Dissertation on the persistence of touch DNA on fabric surfaces under varying environmental conditions, graded **74%**
- Relevant modules: DNA Profiling, Toxicology, Crime Scene Investigation, Trace Evidence, Quality Management in Forensics

## SKILLS

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DNA Extraction & Profiling, Body Fluid Identification, Drug Analysis (GC-MS, HPLC), Trace Evidence Examination, Crime Scene Evidence Collection, Chain of Custody Management, Quality Management (ISO 17025), Microscopy (Optical & SEM), Fingerprint Analysis, Scientific Report Writing, SPSS Data Analysis, Attention to Detail

## CERTIFICATIONS

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**Chartered Society of Forensic Sciences Associate Member**, Chartered Society of Forensic Sciences *Aug 2025 – Aug 2025*

**Enhanced PVG Scheme Membership**, Disclosure Scotland *May 2025 – May 2025*

## LANGUAGES

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English - Native

## EXTRA CURRICULAR ACTIVITY

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**Committee Member - Dundee University Forensic Science Society** *Sep 2023 – Jun 2025*

Organised **5 guest lectures** from forensic practitioners and **2 mock crime scene exercises** for **40+ students**.