Euan Smith

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PROFILE

Cybersecurity and Digital Forensics student at Technological University Dublin, with practical experience building automation systems, security infrastructure, and web applications. I work as a researcher and software developer for the European Digital Media Observatory — part of the EU anti-disinformation network — building a fact-check publishing pipeline and running original counter-disinformation research. Outside of that, I built a Python computer vision system that autonomously identifies resale opportunities across online marketplaces; it has generated real financial returns, with proceeds donated to Merchants Quay Ireland. I run a home lab with SIEM infrastructure, honeypots, and network segmentation — the kind of hands-on environment where you learn how systems actually break. I approach security from first principles: attacker mindset, failure modes, and building things that hold up under pressure.

EDUCATION

BSc Cybersecurity & Digital Forensics

Technological University Dublin · Starting September 2026

Modules: network security, digital forensics, ethical hacking, cryptography, security operations

Harold's Cross Educate Together Secondary School

- Student Council Representative · Spirit of the Class Award · Stealth Award · Attendance Award

EXPERIENCE

Researcher & Software Developer — European Digital Media Observatory

Dublin City University · 2025–2026

EDMO operates under European Commission mandate, coordinating anti-disinformation research across all EU member states.

- Built a weekly fact-check round-up pipeline in Python: scrapes TheJournal.ie fact-checks, formats them to EDMO's house style, and posts drafts to edmohub.ie via the WordPress REST API
- Ran a controlled two-account social media experiment documenting algorithmic radicalisation; presented findings to ~60 students
- Research shared by EDMO Ireland with DCU academics, under consideration for an MA journalism module
- Selected as one of four representing Ireland in the EU-funded ChangingTIDE Changemakers counter-disinformation programme (TEPSA, Brussels)

Freelance Web Developer

Independent

- Designed and hand-coded custom websites for paying clients using Next.js and Tailwind CSS
- Managed project scoping, design, development, and delivery end-to-end

PROJECTS

Marketplace Intelligence System

- Python and computer vision tool that autonomously identifies profitable resale opportunities online
- Includes ROI calculation, risk scoring, and human-in-the-loop decision gates
- Has generated real financial returns — proceeds donated to Merchants Quay Ireland

NZT-48

- Self-hosted personal AI system built on Claude Code — Telegram interface, Obsidian-backed memory, background agents and monitors

- Runs at zero marginal cost with no cloud dependency; most-starred of my repositories

RadicalMap

- Python OSINT instrument that detects and maps extremist content networks on short-form video platforms from public metadata
- Grounded in DSA Article 40 researcher-access and GDPR Article 89 research-exemption provisions

Home Lab Infrastructure

- Linux servers, VMs, and network simulation replicating production security environments
- Active SIEM stack, honeypot infrastructure, and network segmentation experiments

CERTIFICATIONS

SAP: Security and Compliance Learning Journey Earned

SAP: Business Integrity Screening Fundamentals Earned

SAP: System Security Foundations Earned

Google Cybersecurity Certificate In Progress

CompTIA Security+ In Progress

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, HTML/CSS
Security: OSINT, network security, digital forensics, SIEM, honeypots, Linux administration
Tools: Git, virtualisation, browser automation, computer vision
Web: Next.js, React, Tailwind CSS, REST APIs