

Aaron Groome

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Education

Trinity College Dublin <i>Masters in Computer Science</i>	<i>Sept 2026 – May 2027</i>
Trinity College Dublin <i>Bachelor's in Computer Science - First Class Honours (3rd year average: 84%)</i>	<i>Sept 2022 - May 2026</i>
Exchange Semester at the University of Notre Dame <i>Computer Science - First Class Honours (94%)</i>	<i>Jan 2025 - May 2025</i>
Coláiste Eoin <i>Leaving Certificate - 625/625 points (top 1% in the country)</i>	<i>Sept 2019 - June 2022</i>

Employment History

Arctic Researcher <i>University of Notre Dame</i> ◦ Evaluated & optimised an AI model to map the largest Alaskan Arctic wildfire in history ◦ Conducted fieldwork at Toolik Field Station in the Arctic Circle ◦ Languages & technologies: Python, Bash, ArcGIS	<i>June 2026 – Present</i>
Full Stack Intern <i>Vectra AI</i> ◦ The original AI cybersecurity company ◦ Projects included implementing darkmode, improving internal testing tools and migrating pages from legacy code ◦ Languages: Ember.js, Django	<i>Jan 2026 – Jun 2026</i>
NLP Research Intern <i>Abair.ie</i> ◦ Developed a React game to teach children Irish using text-to-speech technology developed in-house. ◦ Languages: React, Python	<i>June 2025 – Aug 2025</i>

Projects

Course4Me - CAO AI Chatbot ◦ Created a website for Irish Leaving Cert students to get advice on what college course to pursue ◦ Submitted as part of the OpenAI Build Week Hackathon ◦ Languages: React.js, Python	github.com/aagroome/course4me 🔗
US Legislator MS Word Add-in ◦ Developed an AI add-in for Word to assist US legislators in drafting laws for Congress. ◦ Reached the Trinity Industry Projects Showcase Finals. Our team presented our project to our peers & industry experts. ◦ Languages: JavaScript, CSS, Python	github.com/HazelHilbert/Legislative-Drafting-NLP 🔗

Volunteer Work

Chair of Oversight Commission & Secretary to Council ◦ Led the committee responsible for managing and maintaining the Union's policy. ◦ Investigated alleged breaches of the constitution & brought reports on performance of SU officers.	<i>Trinity Students' Union</i> <i>Apr 2025 - Present</i>
Activity Lead for Foodbank ◦ Facilitator of the weekly packing of 100-200 bags of essential foods that are distributed across Dublin to those in need.	<i>St. Vincent De Paul</i> <i>Sept 2024 - Present</i>

Awards

Naughton Fellowship ◦ Connecting exceptional researchers on both sides of the Atlantic ◦ This Fellowship enabled me to undertake research at Notre Dame in the US	naughton.nd.edu 🔗
Visma Security Researcher Hall of Fame (2020) ◦ Discovered & responsibly disclosed a vulnerability giving me access to private information of the majority of children in Ireland including home addresses and PPSNs.	visma.com/trust-centre/security/hall-of-fame 🔗

Technologies

Languages: Python, C, Java, ARM assembly, JavaScript