

Yaroslav Kashulin

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Education

Trinity College Dublin

2022 – 2027

Integrated Master (M.C.S.) in Computer Science

Experience

Software Development Engineer Intern, *Workday*

February 2026 – Present

- Ongoing, Distributed Systems

Lab Demonstrator, *Trinity College Dublin*

September 2024 – Present

- Deliver tutorials for Computer Engineering module at TCD
- Assist students with C/C++ coursework

Educator, *Walton Club Trinity*

April 2025 – August 2025

- Teach Robotics to senior secondary school students

Projects

Cloud Builder – Team Project

- Tool to perform CRUD operations on AWS resources using JavaScript, replacing Terraform
- Designed 4 of 6 main features and led a team of 2 developers to achieve it
- Tech stack: AWS SDK-3, JavaScript

Time Is Money – Personal Project

- Desktop GUI to simplify personal expense tracking and financial reporting
- Reduced time required to fill in financial reports by over 80%
- Tech stack: Rust, Slint GUI, Excel

Securiday – Team Project

- Automated CI/CD security penetration testing and created visualization tool for threat prevention
- Led a team of 8 people and communicated with a client
- Tech stack: Python, ZAP, Grafana

Handy Utils – Obsidian Plugin – Personal Project

- Plugin that automates repetitive note-taking tasks; Table of Contents generation saves over 95% of time per task
- Tech stack: TypeScript, Obsidian API

Authentication Server – Personal Project

- High-performance authentication server with JWT-based authentication and password hashing
- Tech stack: Rust, JWT, Encryption

Roxy – Personal Project

- Learning-focused HTTP/HTTPS proxy with request inspection and URL blacklisting
- Implemented 2-level caching for response optimization
- Tech stack: Rust, Multithreading, OSI Layer 4 and 7

Skills

Programming Languages: Java, Python, Rust, Go, C/C++, JavaScript/HTML/CSS

Cloud & Databases: AWS, Azure, SQL, PostgreSQL, MongoDB

Other: Prompt Engineering, Team Leadership, API Integration, AWS SDK3, Git, GitHub, CI/CD, Computer Networks (OSI 2, 3, 4, 6, 7), Docker, Microservices, Kubernetes, MCP

Activities

Participated in various hackathons from University societies and organizations like Google and Council of Europe