

Sam Taylor

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TECHNICAL SKILLS

Languages: Java, Python, Go, TypeScript, JavaScript, C
Frameworks: Django, Spring Boot, JUnit, ReactJS, NestJS, Jest
Developer Tools: Git, Postman, Docker, Jira, AWS

WORK EXPERIENCE

Software Engineering Intern <i>Stripe, EMEA Wallets Java, gRPC, Ruby, Git, Jira</i>	January 2025 - June 2025 Dublin, Ireland
<ul style="list-style-type: none">Developed new features for a payment method launched in alpha, such as custom merchant branding and separate authorisation and captureEnhanced merchant experience and reduced friction with separate authorisation and capture for a separate payment method	
Software Engineer <i>Curie Python, GraphQL, AWS, NextJS, Git, Jira</i>	September 2024 - January 2025 Dublin, Ireland
<ul style="list-style-type: none">Reduced critical path latency through asynchronous workflowsImproved responsiveness and synchronisation on web and mobile applications through real-time updates	
Software Engineering Intern <i>Stripe, Test Data Infrastructure Java, gRPC, ReactJS, Git, Jira</i>	June 2024 - August 2024 Dublin, Ireland
<ul style="list-style-type: none">Connected an internal test data generation service to Stripe's public API, reducing test data maintenancePresented intern project to company-wide "Fireside" event	
Software Engineer	September 2023 - May 2024
Software Engineering Intern <i>Xelda Python, Django, Typescript, ReactJS, AWS CDK, Git, Jira</i>	June 2023 - August 2023 Dublin, Ireland
<ul style="list-style-type: none">Migrated OCR to a new asynchronous model and provider, cutting costs and latency by 50%Increased user control by introducing granular permission mechanismsImproved deployment and testing by designing and managing a multi-stage CI/CD pipeline	
Sales Assistant <i>Joe Daly Cycles</i>	June 2021 - May 2024 Dublin, Ireland

EDUCATION

Trinity College Dublin <i>Master's in Computer Science</i>	September 2025 - Present Dublin, Ireland
Area of Research: Distributed Systems and Networking	
Trinity College Dublin <i>B.A. (Mod) in Computer Science</i>	September 2021 - May 2025 Dublin, Ireland
Grade: I.I	
Key Modules <ul style="list-style-type: none">Discrete Mathematics, Formal Verification, Algorithms and Data Structures, Software Engineering, Functional Programming, Computer Networks	
Wesley College Dublin <i>Secondary Education</i>	September 2015 - June 2021 Dublin, Ireland

PROJECTS

routeit Web Framework <i>Go, Git</i>	June 2025 - September 2025
<ul style="list-style-type: none">Researched, designed and published a server-side web framework with full HTTP/1.1 support, excluding CONNECT requestsImplemented dynamic routing, middleware chaining, JSON handling, error mapping, and integrated testing	
Competitor Matching System <i>Python, Django, FAISS, YOLO, ResNet, Git</i>	January 2024 - April 2024
<ul style="list-style-type: none">Led a team of 11 college students to construct a competitor matching machine learning system alongside our client Integral Ad Science, placing second in our yearDevised and coordinated the construction of a fully scalable image detection and recognition service, including pipelines for supporting additional brands	
Real-Time Encrypted Messaging <i>Django, Redis, ReactJS, Cryptography, Websockets</i>	April 2024
<ul style="list-style-type: none">Developed a full-stack web application that performed AES-256 and RSA-4096 encryption alongside X.509 certificate verification and RSA-4096 signing to encrypt social media chats	