Sam Taylor

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Hard-working and motivated student of Computer Science with a specific interest in server side development

TECHNICAL SKILLS

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

WORK EXPERIENCE

Software Engineering Intern — June 2024 - August 2024
Stripe, Test Data Infrastructure | Java, gRPC, ReactJS, Git — *Dublin, Ireland*

- Internal tooling used across the company to generate reliable test data in a replicable fashion.

Software Engineer — September 2023 - May 2024
Software Engineering Intern — June 2023 - August 2023
Xelda | Python, Django, Typescript, ReactJS, Git, Jira, AWS — *Dublin, Ireland*

- Member of a small full-stack engineering team in a FinTech startup
- Responsibilities spread across the front end and back end, including deploying releases and monitoring issues
- Involved reacting in a timely manner to customers' concerns or issues
- Built a three-stage AWS CI/CD pipeline including integration tests for a NextJS application

Sales Assistant — June 2021 - May 2024
Joe Daly Cycles — *Dublin, Ireland*

EDUCATION

Trinity College Dublin — September 2021 - Present
B.A. (Mod) in Computer Science with option to continue for M.Sc. — *Dublin, Ireland*

Grades

- **Junior Fresh:** I.I
- **Senior Fresh:** I.I
- **Junior Sophister:** I.I

Key Modules

- **Junior Fresh:** Intro to Programming, Intro to Computing, Programming Project, Mathematics
- **Senior Fresh:** Systems Programming, Software Engineering Project, Algorithms and Data Structures, Discrete Mathematics
- **Junior Sophister:** Software Engineering, Computer Networks, Concurrent Systems

Wesley College Dublin — September 2015 - June 2021
Secondary Education — *Dublin, Ireland*

PROJECTS

Competitor Matching System | *Python, Django, FAISS, YOLO, ResNet, Git* — January 2024 - April 2024

- Lead a team of 11 college students to construct a full end-to-end competitor matching machine learning system using logo detection alongside our client Integral Ad Science
- Built a fully scalable system to recognise brands by their logo including pipelines for adding support for additional brands
- The project was ranked second place in our year by a group of six judges from the industry

Real-Time Encrypted Messaging | *Django, Redis, ReactJS, Cryptography, Websockets* — April 2024

- Developed a full-stack web app that performed ASE-256 and RSA-4096 encryption alongside X.509 certificate verification and RSA-4096 signing to encrypt social media chats

Third Party Integrations | *Python, Django, REST API, Git, VS Code, Postman* — January 2023 - April 2023

- Developed a micro-service abstraction that provided integrations to multiple external REST services for our client Xelda