

# Sam Taylor

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

## TECHNICAL SKILLS

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

## WORK EXPERIENCE

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**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
- Main area of expertise was in third-party integrations

**Sales Assistant** June 2021 - Present  
*Joe Daly Cycles* *Dublin, Ireland*

- Demonstrated expertise in providing exceptional customer service by assisting customers with product selection, addressing their inquiries, and resolving issues related to their bikes

## EDUCATION

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**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

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**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

## ACHIEVEMENTS

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- **May 2021:** Reach the Gael Linn All-Ireland Final in Irish Debating
- **June 2021:** Achieved Grade VIII in Oboe
- **June 2021:** Received Silver Gaisce Award
- **September 2021:** Awarded Entrance Exhibition Scholarship to Trinity College Dublin
- Academic awards in Trinity College Dublin for Junior Fresh, Senior Fresh and Junior Sophister