

# Lauren Lambe

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## SUMMARY

I am currently a final year student in Technological University Dublin, Tallaght Campus. I am seeking an graduate position commencing in Summer/Autumn 2023. I am a highly motivated, passionate computing student, and I am very eager to learn new skills and technologies. I am interested in leveraging my personal strengths such as teamwork, communication skills, and time management skills, along with my technical skills, to make a positive contribution to your organization, while also gaining valuable industry knowledge.

## TECHNICAL SKILLS

- Confident developer in Python, Java & C#.
- Capable of developing websites using Django Framework, JavaScript, CSS, Bootstrap, and HTML.
- Confident in using Git and GitHub for version control and source code management.
- Familiar with Postman for testing APIs and used it for testing my 2<sup>nd</sup> Year Project.
- Can write SQL and PL/SQL queries using Oracle 11G and SQL Developer.
- Can design and create database schemas.
- Familiar with C++
- Can analyse data using tools like Excel, Pandas, Matplotlib and Python.
- Experienced user of Office 365 Outlook, Word, PowerPoint, and Excel.
- Can analyse and design systems using UML, including use case diagrams, class diagrams and sequence diagrams.
- Competent user of Windows and Linux Operating Systems in system administration.
- Can design, build, and troubleshoot a network using routers and switches using related tools.
- Capable of configuring a router using the Cisco IOS command set.
- Can administer an Oracle 11G database with Enterprise Manager and related SQL commands.
- Can write scripts in Bash and Python.
- User of Cloud services such as Azure and AWS throughout my course so far.

## EDUCATION & QUALIFICATIONS

### Sept 2019 – to-date **BSc in Computing with Software Development**

Technological University Dublin, Tallaght Campus

Current GPA: 3.83 (1<sup>st</sup> Class Honours)

**3<sup>rd</sup> Year Modules studied:** Data Analysis (A); Cloud Services & Distributed Computing (A); Operating Systems (B+); Big Data Technologies (A); Data Structures & Algorithms (B-); Server-Side Web Development (A);

**2<sup>nd</sup> Year Modules studied:** Software Development 3 (A); Software Quality Assurance and Testing (A); Advanced Database Technologies (B+); Network Fundamentals (A); Client-Side Web Development (B+); Discrete Mathematics 2 (A); Software Development 4 (B+); Project (A); Data Administration and Analysis (B+); Routing & Switching Essentials (A); Information Security (A); Management Science (A)

**1<sup>st</sup> Year Modules studied:** Critical Skills Development (A); Operating Systems Fundamentals (A); Discrete Mathematics 1 (A); Software Development 2 (A); Social Media Communications (A); Database Fundamentals (A); Statistics (A); Visual Design and User Experience (B); Computer Architecture (B+); Business & Information Systems (B+); Systems Analysis (A); Software Development 1 (B+)

## SIGNIFICANT PROJECTS

### Fitness / Weight Loss Tracker (Year 2 Project)

#### Description:

A team project composed of three group members, to design and implement a fitness / weight loss tracker application. The application developed allowed users to use 'loggers' to record exercises they did, food they ate, and record their weight. The application had CRUD functionality throughout, allowing the users to edit or delete any logs they wished. The application also incorporated a functioning eCommerce section. Users had the option to create an account which allowed them access to more features on the application, such as a forum for the group they specified when signing up, their own profile which included weekly, monthly, and yearly views of graphs based off the logs created from their loggers. All users registered or not, had access to the shop and recipes features. We achieved a grade of 94% for this project.

I got our project deployed to PythonAnywhere - <https://comeslimwithme.pythonanywhere.com/>

#### Challenges Faced:

- Working virtually as a team on a project this large. We overcame this by scheduling weekly Teams meetings and a WhatsApp group to have constant communication.
- Ensuring that data was saving and displaying correctly from the database, as previous commits were overwritten by the following commit. We overcame this by ensuring all branches were always up-to-date, and only making major database changes on the working 'dev' branch.

#### Technologies & Tools Used:

Python, Django Framework, SQLite, JavaScript, HTML, CSS, Bootstrap, Postman, Git

## WORK EXPERIENCE

February 2022 – August 2022

Software Development Engineer Intern

Workday, Dublin 7

I was employed as a Software Development Engineer Intern in Workday. I worked as part of the Infrastructure Public Cloud team who dealt with provisioning new and supporting existing infrastructure on public cloud providers namely AWS.

Some of the projects I completed during my internship included:

- Bash script to add version tags to all untagged Terraform modules within each of our AWS environments.
- Python script to provide a command line tool for users to see information about the Terraform modules. It comprised of three sub-commands
- Updating our Wavefront AML age dashboard in which I had the following tasks:
  - Remove/breakout any instances that are not concerned with our team (IPC) into a separate dashboard
  - Adjust the queries to ensure accuracy and detail how the ages are calculated and how the graphs are populated
  - Consolidating the 2 Lambdas that were concerned with the dashboards; a spider lambda that combed the environments and retrieved the AML information, and a sensu lambda that took the retrieved data and stored it in DynamoDB and populated the dashboards

## INTERESTS & ACHIEVEMENTS

- Future Females in Tech 2020 - I was one of 30 female students chosen by Workday to participate in a 2-day event in which I gained valuable insight into the technology industry from current Workday employees, interns, and graduates. We also completed a virtual scavenger hunt in which we had to work together in teams to earn the most points in a certain time frame.
- I play tag rugby, and I also enjoy swimming, hiking, and cycling with family and friends.
- I have a full, clean driving licence.

## REFERENCES AVAILABLE UPON REQUEST