

Daniel McCarthy

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Work Experience

Abbott Laboratories

January 2023 to August 2023

Cybersecurity Intern, Attack Surface Management Team

- As part of the Attack Surface Management team, worked on a proprietary Django security tool written in Python to manage asset and vulnerability data across multiple projects.
- Created an authentication system to facilitate team member's access to the tool and implemented a GUI for navigation.
- Engineered a new method of tracking vulnerabilities based on risk. Implemented an API to retrieve vulnerability data, designed a schema to store it in our database, configured an ETL process to trigger API calls and database population using Celery.
- Designed a dashboard to show our attack surface from this risk-based perspective. Allowed team members to analyse this data in detail through a specialised interface.
- Helped improve the quality of vulnerability data using Python scripts to clean asset data across multiple projects. This data was used in metrics and reported monthly to stakeholders across the enterprise.
- Discovered data discrepancies within security projects managed by multiple teams. Collaborated with these teams to ensure these issues were resolved.
- Collaborated with US interns based in Chicago to complete a group task assigned by the nutrition team within Abbott. Created and re designed PowerBI dashboards for the assigning department.
- Improved the quality of the different metrics presented related to manufacturing site production line.
- Presented the improved and re-designed dashboards at the Abbott Intern Showcase to a large audience including other interns, assignment managers, and upper management from IT and the business.
- Supervised and mentored 10 transition year students who are interested in STEM to increase awareness on career opportunities within Abbott.
- Prepared a presentation on my internship within Abbott. Presented to incoming students and management at our office in Dublin.

Costa Coffee

November 2019 to Present

Barista

- Provided an exceptional customer experience by engaging with patrons
- Operated and maintained equipment to defined standards
- Worked as a team with colleagues to maintain coffee, customer service and cleanliness standards
- Trained new team members in coffee preparation and customer service

Skills

- Working as part of a team
 - Problem solving
 - Communication
 - Interpersonal skills
 - Customer service
 - English (native), Dutch (conversational)
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Technologies

- Programming languages: C#, Python, Java, Javascript, C++
 - Other languages: Bash, Powershell, HTML, CSS, SQL
 - Databases: OracleSQL, MongoDB, MariaDB, DynamoDB, PostgreSQL
 - Data Visualization: Tableau, PowerBI, Pandas
 - Operating Systems: Windows, Linux
 - Cloud: AWS, Google Cloud, Azure
 - Development Frameworks: React, Node, Django, Flask, .NET,
 - Microsoft Office Suite: Excel, OneDrive
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Education

Technological University Dublin

Bachelor of Computing with Software Development

Expected graduation date: May 2024

Rathmines College, Dublin

Level 5 Computer Programming

Graduation date: May 2020

Projects

Language Learning Platform

Web App built using Django, React, MongoDB

Sprinkler System

Command line application built with Bash, Docker, MQTT and openssl for TLS security

Ecommerce Website

Online store built using Django and Firebase