Milan Murray

Website: https://milan-murray.github.io/

Email: milan-murray@outlook.ie

Based in Dublin, Ireland

Personal Statement

I am very passionate about **technology and programming** as well as learning about **languages and cultures**. I have experience in the development of computer software, assembly of computer hardware as well as a strong understanding of operating systems. I am confident in my ability to **adapt to new working environments** and maintain a **quality and consistent work ethic**. From studying in TUD in Ireland, to UPV in Spain during Erasmus, I'm excited and open to future opportunities to advance my career.

Key Skills

Teamwork; Team Leader; I have acquired teamwork skills throughout various projects I have undertaken during my studies by working alongside teammates to design and develop solutions to difficult problems.

Problem-solving; From engaging in many coding challenges and projects during my studies, as well participating in online services such as Online Judge and LeetCode, I have been able to advance my problem solving skills.

Teaching; Interpersonal; I am grateful to have been able to share my understanding of computing topics with my peers to help them with challenging programming problems whenever they were stuck. Beyond this I have experience of meeting and connecting with people in new environments such as during erasmus placement and language learning activities.

Education

Masters in Cybersecurity 2024 (Expected)

- Technological University Dublin Blanchardstown

Bachelor of Science (Honours) Computer Science with Spanish 2023

- Technological University Dublin Tallaght
- GPA: **3.29 – First Class Honours**

Please see appendix for a complete list of modules and results.

Previous Education

Leaving Certificate | Ballinteer Community School | GRADUATED 2019

Technical Skills

Programming Languages

- Python
- C++
- C#
- Rust
- Java
- SQL
- Shell Scripting
- HTML & CSS

Development Tools

- Git
- VIM
- Cloud Computing
- Docker
- Android Studio
- Visual Studio Code
- Godot/Unity Engines

Computer Systems Experience

- Linux Terminal & Windows CLI
- Hardware Components
- BIOS Configuration

Computer Problem Diagnostics

- Component Assembly
- Virtualisation & Containerisation
- Computer hardware monitoring software

Data Processing

- LibreOffice & Microsoft Office Suites
- Tableau
- Jupyter Notebook
- MongoDB

Media Editing

- Blender (Video editing, modelling and animation)
- GNU Image Manipulation Program
- Open Broadcast Software

Digital Forensics Tools

- Autopsy
- tcpdump & Wireshark

Cybersecurity Tools

- Snort IDS
- Splunk SOAR
- Tpot (Attack data collection)
- SIEM Security Onion

Significant Projects

TomaNota – Final Year Project

Description: An individual project utilizing several cloud services from Google Cloud and Microsoft Azure that integrate with a Blazor web application as well as a mobile application. Users are able store their notes, carry out exams and track their progress over time. Features of the application include time based note marking, translations and synonyms for note creation, account authentication and data visualisation of user progress. This project made use of an Azure SQL database which is accessed via a C# web API, as

well as Google Cloud Functions which allow for determining correct answers during the quiz and how the marks should be updated.

Challenges Encountered:

- Deciding how user's notes should be stored such that they can be accessed across multiple devices.
- Ensuring unicode was stored correctly for multiple languages.

Technologies Used: DotNet, C#, Blazor, Azure SQL, NLTK & WordNet, Python, Google Cloud Functions, HTML & CSS, Bootstrap and APIs.

Professional Experience

- Residential Moving Assistant with A-OK MOVERS – 2016 to 2019

- Retail Assistant with Penneys 2016

- Team based programming project with ESERO 2021
    - Responsibilities: Creating a C# desktop application in a team. Part of my role was to help in choosing appropriate user interface elements as well as testing.

- Team based hackathon with TUD and Amazon 2022

    - Responsibilities: Design of a medical system which involved sending data between devices, AWS cloud computing and data storage.

Achievements

- Piano Grade 3; Live stage performances
- OLS Erasmus+ Spanish Level B1
- Completion of Duolingo Spanish Course
- Participated in Trinity College STEM Program

Interests

- Digital experiences, gaming, virtual reality
- Marathon running and biking
- Travel and languages

References

References available upon request

Appendix

Results

Bachelor of Science (Honours) Computer Science with Spanish 2023

Year 1

Module	Grade
Software Development 1	A
Software Development 2	A
Systems Analysis	B
Spanish 1	A
Spanish 2	A
Database Fundamentals	A
Statistics	A
Operating Systems Fundamentals	B+
Computer Architecture	A
Visual Design and User Experience	A
Discrete Mathematics	A
Critical Skills Development	B+

Year 2

Module	Grade
Social Media Communications	B+
Project	B+
Software Development 3	B+
Software Development 4	A
Spanish 3	A
Spanish 4	B+
Management Science	B+
Software Quality Assurance Testing	B+
Database Administration & Analysis	B+
Advanced Database Technologies	B+
Discrete Mathematics 2	A
Client Side Web Development	A

Year 3

Module	Grade
Spanish 5	B+
Operating Systems	B+
Server-side Web Development	C+
Cloud Services and Distributed Computing	C+
Big Data Technologies	B-
Data Structures and Algorithms	B+
Semester Abroad	PS

Year 4

Module	Grade
Interactive Media Design	B
Information Management	B-
Enterprise Application Development 1	B
Enterprise Application Development 2	B+
Computational Linguistics	B+
Enterprise Performance Architecture	B+
Project	B+

Certificates

OLS Spanish B1 Certificate (Erasmus+)

Results of your language assessment

LAST NAME

Murray

FIRST NAME

Milan

TAKEN ON

2022-06-15

LANGUAGE TESTED

Spanish

LEVEL ACHIEVED

B1

You can understand the main points of clear, standard language related to familiar matters and current affairs, as well as descriptions of feelings, experiences and events.

View your breakdown of results by skill

GRAMMAR B1

You understand the relation between a series of interconnected elements linked to experiences, events, ambitions and plans.

READING COMPREHENSION B1

You are able to understand texts written in everyday language or in connection with your work. You are also able to understand arguments and explanations about an opinion, intention or project.

VOCABULARY B1

You understand a fairly wide range of vocabulary linked to pertinent, everyday life topics and situations. This is enough to get by when travelling, working or socialising.

LISTENING COMPREHENSION B2

You can understand the majority of TV and radio news programmes, as well as films and documentaries in standard speech. You can follow most general, clearly articulated exchanges between native speakers, even with some background interference.

Department of Applied Linguistics – Certificate of Participation in Study for Spanish Learning, Valencia

Departamento de Lingüística Aplicada
Departament de Lingüística Aplicada

Dña. **Clara Ureña Tormo**, Coordinadora del área de Lengua Española del Departamento de Lingüística Aplicada de la Universitat Politècnica de València, HACE CONSTAR que:

MILAN MURRAY

ha participado en una actividad formativa para el aprendizaje del español, organizada en el marco de un estudio de investigación experimental, realizada entre los días 10 y 19 de mayo de 2022, con una duración de 2,5 horas presenciales. Y para que conste a los efectos oportunos, se expide la presente constancia.

Valencia, 24 de mayo 2022

Na **Clara Ureña Tormo**, Coordinadora de l'àrea de Llengua Espanyola del Departament de Lingüística Aplicada de la Universitat Politècnica de València, FA CONSTAR que:

MILAN MURRAY

ha participat en una activitat formativa per a l'aprenentatge de l'espanyol, organitzada en el marc d'un estudi d'investigació experimental, realitzada entre els dies 10 i 19 de maig de 2022, amb una duració de 2,5 hores presencials. I perquè conste als efectes oportuns, s'expedeix la present constància.

València, 24 de maig 2022

Fdo.: Clara Ureña Tormo

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Splunk

Linked in Learning

Splunk for Security Analytics and Monitoring

Course completed by Milan Murray
Oct 17, 2023 at 05:09PM UTC · 3 hours 18 minutes

Top skills covered

(Security Monitoring)   (Splunk)

Head of Content Strategy, Learning

COURSE COMPLETION

Certificate ID: e2139239005325d570607556ea1e41c5fa4beed4c89fa3f133191d077d9219bc

splunk>

Certificate of Completion
to certify that

Milan Murray

has successfully completed
Intro to Splunk (eLearning)

29-SEP-2023

1 Credit Hours

splunk>

Certificate of Completion
to certify that

Milan Murray

has successfully completed
Introduction to Splunk SOAR (eLearning)

18-DEC-2023

1 Credit Hours