

👤 Bio

I am a current 4th Year student of Computer Science in University College Dublin. Huge interest in computer hardware and programming with languages ranging from Scheme to Python. Fluent in English and Polish.

⚙ Skills

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| LANGUAGES | Polish (native), English (fluent) |
| PROGRAMMING LANGUAGES | Apex, JavaScript, NodeJS, PHP, Java, C, C++, SQL(MySQL), Python, Scheme, Scala3, Go |
| TOOLS | Git, Unix, Docker, Kubernetes, MongoDB, Hashicorp Vault, REST API |
| OTHER | Working well in group or alone, good communication skills, Leadership skills |

🎓 Education

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|------|--|---------------------------------------|
| 2018 | Bachelors in: Computer Science | University College Dublin |
| 2023 | Key modules: Algorithmic Problem Solving, C Programming, Java Programming, Software Engineering, Distributed Systems | |
| 2017 | QQI Level 5: Computer Systems and Networks | Dunboyne College |
| 2018 | All modules passed with a Distinction. | Certificate Grade: Distinction |

★ Experience

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| 07.2023 | Salesforce (IAM Security Software Engineer) | Salesforce |
| PRESENT | Designed, developed, and enhanced various automations in the Salesforce internal solution for Identity Management developed on the Salesforce Platform using Apex , JavaScript , LWC , Aura and Rest API , which decreased manual operations tasks for our team, thus enhancing our productivity. | |
| 03.2022 | Internship at Salesforce (Security Software Engineer) | Salesforce |
| 09.2022 | Designed, Developed, and deployed automation of API secret rotation in Go for various service providers to increase the security, decrease manual work and eliminate human error. Led the team behind this project and done code reviews to eliminate future flaws and bad design practices. | |
| 05.2021 | Part-time Internship at OpenLitterMap (Software Engineer) | OpenLitterMap |
| 01.2022 | Translated the whole website to Polish, Fixed a lot of minor bugs, created Artisan scripts to migrate data from SQL to Redis and scripts to populate the database with dummy data for development purposes. OpenLitterMap is an open-source project developed with Laravel and ReactNative . | |
| 05.2021 | Part-time Internship at Measuresoft (Software Engineer) | Measuresoft |
| 08.2021 | Created software installers with the use of WIX that the end consumer can use to install Measuresoft's software, Implemented secure TLS connection between client and the server for the existing software using OpenSSL in C . Done research on how a C shared library can be executed through a web interface. Updated their projects to the newest version of Visual Studio after noticing that it wasn't possible to use newest version of openssl on them. | |
| 08.2020 | GirlScript Gaming Booster Mentor | |
| 10.2020 | Mentoring people around the world to code 2 basic games in Java (processing) and JavaScript , the games that I thought my mentees were Flappy Bird processing and Snake (JS). | |

📁 Projects

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| 03.2023 | DIY Security Camera using ESP32CAM | SecurityBot |
| 07.2024 | Developed a security camera system using cheap electronic components such as ESP32CAM and PIR sensor to privately send notifications and recordings to Discord or Signal when motion is detected. The project is written in Python and a modified version of ESP32CAM streaming web server to send out sockets to the Discord/Signal Bot when the PIR sensor detects motion, thus triggering the bot to send a private message of motion being detected and capturing 35 seconds of the cameras live feed and sending it. | |
| 01.2021 | PacChasers game in Java | PacChases |
| 02.2021 | Fully Developed a 2D game with a working game server for online multiplayer using Socket.IO . The game is a 2 player game where one player plays the Pacman and the other the Ghost , the Goal for the Pacman is to either kill the ghost by eating a power ball, or collect all the food on the map. The Goal for the Ghost is to catch Pacman before it eats all the food, Ghost can also eat the power balls to gain temporary speed boost. | |

🏆 Competitions

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| 11.2019 | 88th place at NWERC 2019 in Eindhoven | Algorithms, C++, Python |
| 10.2019 | 3rd place in ireland at UKIEPC 2019 | Algorithms, C++ |

🚴 Hobbies

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|----------------|-------------|-------------|---------------------|-------|
| Guitar playing | Motorcycles | Board games | Reverse engineering | Music |
| Festivals | Traveling | Bouldering | MTB | |