Kamil Michalski

Dublin 1, Ireland
kamil.michalski@ucdconnect.ie

/xamyrz
/kamil-michalski

👤 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

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

🎓 Education

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

★ Experience

03.2022 09.2022	**Internship at Salesforce (Security Software engineer)**	Salesforce

Developed, designed 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 01.2022	**Part-time Internship at OpenLitterMap (Software Engineer)**	OpenLitterMap

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 08.2021	**Part-time Internship at Measuresoft (Software Engineer)**	Measuresoft

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 10.2020	**GirlScript Gaming Booster Mentor**

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

01.2021 02.2021	**PacChasers game in Java**	PacChases

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.

09.2020 10.2020	**TaskBot for Discord in Python**	TaskBot

Developed a Discord bot which allows the users to create tasks with due dates and assign them to specific Roles/users, the Bot sends a DM with the task to whoever it's assigned to, and the user can react on **check** if they done the task or an **X** if they haven't. The bot also sends a DM to the Users a week before the deadline as a reminded, and a day before the deadline. All Tasks are stored in a MongoDB.

06.2019 10.2019	**PHP/JavaScript Web App**	All Around Sound

Developing an inventory management system web app in **PHP, JavaScript** and **MySQL** that allows the company to keep track of their equipment by creating an event on the web app and adding a list of equiptment needed for that event, the user of the app then scans QR code that are on the equipment and adds it to the database of the event. When event is finished and gear is back at the warehouse, the user then scans the equipment again to add it back to the list of available equipment.

🏆 Competitions

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

🚲 Hobbies

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