

Michael Karamichalis

[LinkedIn](#) | [Personal Portfolio Website](#) | [GitHub Profile](#)

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PROFILE

Second-year computer science student devoted to problem-solving, programming and technology. Equipped with strong problem-solving skills built on a solid foundation in various programming concepts and modules. Capable of quickly adapting to new technologies and programming languages. Currently, a student mentor with strong communication and guidance skills, suited to provide mentorship and assistance to others. Fond of continuous learning and staying on top of the latest technology trends.

KEY SKILLS

- Programming Languages: C/C++, C#, SQL, and Python. Developed through coursework and projects.
- Tools: Arduino, Git, Oracle, MySQL, MongoDB, Microsoft Azure: Acquired from individual projects.
- Communication: Obtained by engaging with other students and university staff as a student mentor.
- Problem-Solving: Developed through completing coursework and assisting students as a student mentor.
- Teamwork - Collaboration: Acquired from group projects and interacting with study skills staff members.

EDUCATION & QUALIFICATIONS

University of South Wales - Bachelor's Degree Computer Science

Sep 2022 to Present

Second year Modules:

Data Structures and Algorithms with Object Oriented Programming: 90.00%

Event Driven and Graphical User Interface Programming: 92.00%

Team Based Software Development: Grade Pending | Operating Systems Concepts: 85.00%

Databases and Data Modelling: Grade Pending | Secure Software Development: 100.00%

Arduino Microcontroller Course: 100% Completion

Projects:

- Starbucks GIS Cyprus: A C# application which displays stores and relevant data on google maps, stored as GeoJSON data in MongoDB. A polygon is used to restrict the user from placing a store outside of Cyprus when performing CRUD operations, using the Ray Casting Algorithm.
- Smart Hotel IoT Device Simulation using Arduino: Simulation of a hotel monitoring system by retrieving real values from Arduino Microcontroller Sensors and acting appropriately. Incorporating various Design Patterns, such as MVC, RBAC and Secure Software Engineering Principles.
- GP6 Medical Bot: A group project that provides a recommendation based on selected symptoms and various factors. Built in Anvil.works solely in Python and communicates with a MySQL database hosted in Microsoft Azure, which stores various Diseases, Symptoms and Recommendations. User profiles and contact forms are also incorporated, utilising Anvil's APIs.
- Flight Simulator Controller using Arduino: A C#.NET application which connects to a server application which simulates the flight. Multiple C# principles have been applied including Delegates, Events and Networking, as well as Arduino Microcontroller Integration. The application also connects to a database in order to provide different airports and specify the flight time.

- Personal Portfolio Website: Built in HTML, CSS, and JavaScript - A Professional Online Presence highlighting my qualifications and skills and providing evidence of my projects.

First year Modules:

Programming: 92.00% | Information Management, Assurance and Security: 88.00%
Computer Systems Concepts: 87.00% | Mathematical Tools for Computation: 99.00%
Professionalism Employability Enterprise and Problem-Solving: 93.00%

Kykkos A' High School, Nicosia, Cyprus – Apolytirion

Sep 2018 to June 2021

Grade: 18.50 / 20.00 - Graduated with honours

British Council - International GCSE English

Jan 2019 to June 2019

Grade: A and 1 in Oral

WORK EXPERIENCE

Student Digital Mentor | University of South Wales

Jan 2023 to Present

- Digital support - assisting students in using University Systems and addressing technology and device related queries.
- Guidance - answering questions, offering advice, and encouraging students in person or online regarding academic and university-related questions.
- Resource referral – directing students to the appropriate university services and support systems based on their queries.
- Communication and Professional relationships – Communicating with university staff members in a professional team-based environment, as well as managing the Student Mentoring Inbox.

Soldier | Ministry of Defence, Nicosia, Cyprus

Jul 2021 to Sep 2022

- Maintained the peace and stability of Cyprus near the United Nations Buffer Zone.
- Conducted patrols and monitoring on foot as a team during flexible hours.
- Produced written reports, documented occurrences, and conveyed them to the commanding officer.
- Trained and guided younger soldiers to acquire the necessary skills to fulfil their roles.

ADDITIONAL INFORMATION

Personal Achievements and Certificates:

Ranked Second in First-Year Programming Module rankings with a Grade of 92.00%.

Certified for GDPR University Certificates: Data Protection – 92%, Information Security – 96%.

Interests:

Dedicated to constant learning and being up to date with the latest technological advancements in computer science by currently learning:

- Web Development – HTML, CSS, JavaScript, and relevant frameworks
- Mobile App Development – Developing an application for Water Machines in Cyprus

Languages:

- English, Greek

References:

Supplied on request.