

Michael Karamichalis

The West Wing, Glossop Road, Cardiff, UK

07510225246 | michaelkaramichalis@gmail.com | <https://www.linkedin.com/in/michaelkaramichalis/>

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: C++, C#, SQL, and Python. Developed through coursework and individual projects.
- Communication: Obtained by engaging with other students as a student mentor.
- Problem-Solving: Developed through completing coursework and assisting students as a student mentor.
- Teamwork and collaboration: Acquired by currently developing a team project.
- Time management: Accomplished by managing course workload and deadlines.

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%

- Examining fundamental data structures and understanding the algorithms that efficiently manipulate them.
- Analysing Design Patterns and SOLID Principles and extending object-oriented programming knowledge.
- Coursework: Developed a priority scheduler which stored and manipulated priorities using a custom AVL Tree.

Event Driven and Graphical User Interface Programming: 87.00%

- Studying the principles of GUI Design, Event-Driven Programming, and fundamental networking.
- Coursework: Developed a Flight Simulator Controller in C#, involving GUI Design, Networking and Delegates.

Professional Practice and Employability - Team Based Software Development Workshop:

- Coursework: Developing a group project – a web based General Practitioner Medical Bot that provides a recommendation based on selected symptoms and uploaded images of wounds using various techniques.

Databases and Data Modelling:

- Understanding theoretical and practical foundations for relational database architecture and data independence.
- Coursework: Implemented a Booking system in Apex Oracle and applied PL/SQL and normalisation techniques.

Operating Systems Concepts: 80.00%

- Examined the role and core functionality of Operating Systems and Networking in modern computing.

Secure Software Development:

- Applying the concepts and Design Principles of Protection Mechanisms, Software Security, and Secure Design.

Arduino Microcontroller Course:

- Acquired hardware programming knowledge in C++ and hardware skills in Arduino microcontrollers.

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%

Relevant First-year Coursework: Developed a soccer manager application and database in C++ and SQL, respectively. This application involved managing multiple leagues and teams, assigning players and staff members to their teams, and simulating matches that ultimately produced a leaderboard within each league.

Kykkos A' Lyceum, Nicosia, Cyprus - Cyprus-Apolytiron

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 queries.
- Resource referral – directing students to the appropriate university services and support systems based on their queries.
- Building relationships – maintaining open communication, actively listening, and showing empathy to mentees.

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:

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

Interests:

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

- Developing personal projects – mobile application that monitors water vending machines in Cyprus, including their pricing, location, water source and other relevant information.
- Undertaking additional online Computer Science courses.

Languages:

- English, Greek

References:

Supplied on request.