Rafael Neocleous

Personal Information

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Personal Profile

I am a student at the Cyprus University of Technology studying Computer Engineering and Informatics. I am very passionate both about Computer Science and Computer Engineering. My activities in the field vary from Embedded Engineering to Web development and even Game development. I enjoy problem solving and I am always trying to come up with innovative solutions to sort them out.

Experience

June 2021 – March 2022

Junio Software Developer - ENGINO Ltd.

ENGINO Ltd. is an international toy manufacturing company specializing in motorized robotic toys.

- Penetration tested products using customized scripts
- Created software kits for Quality Assurance usage.
- Was responsible for creating modules and Libraries for products.
- Worked with Bluetooth (BLE) and UDP protocols in development of new products.
- Developed custom automation software for other departments (Logistics and QA).

March 2022 – May 2022

Freelance Software Developer – Cyprus Airforce Army

- Created software for conducting examinations for students.
- Worked with Unity UI.
- Used the DES for all data encryption

June 2022 – September 2022

Electronics Specialist Internship – Cyprus Space Exploration Organization (CSEO)

- Worked with electronic components to create a wireless ignition system.
- Gathered data from a Load Cell module and analyzed it.
- Made the rockets deployment system using LoRa technology.

June 2022 – September 2022

Unity3D Software Developer Internship – Algolysis Ltd

- Created a demonstration game in Unity3D using SteamVR.
- Used Blender to create and rig models.
- Used Unity's animation features to import animations onto the models via a company's API.

September 2022 – Present

Software Developer and Researcher – PHOEBE Innovations

- Used Django as a backend framework to create websites for clients.
- JavaScript and Tailwind as a frontend.
- PostgreSQL as a DBMS.

September 2022 – Present

Private High school teacher – T.I.M.E Private Institute

- Teaching C++ to high school students on their senior and sophomore year

Skills

Languages

- **Languages: English (Proficient)**
- **Greek (Native)**

Theory

- **Algorithmic and Dynamic programming knowledge.**
- **Knowledge in data structures**
- **Parallel programming**
- **Networking and Network security.**

Programming Languages

- **C#, Java**
- **C/C++ (OOP)**
- **Python, JavaScript, HTML, CSS Bash**
- **MySQL, Redis, PostgreSQL**

Software | Frameworks | Libraries etc

- **Use of Git/GitHub as Version Control System**
- **Django Framework**
- **Used JIRA and Trello for project management**
- **Worked with Unity and Android Studio**
- **Worked with Bluetooth protocol libraries**
- **Worked with Arduino and ESP systems (Embedded C, FreeRTOS)**
- **Ubuntu, MacOS, Windows**

Other qualifications:

Cambridge IGCSE: Information and Communication Technology.

Python Object Orientation Certificate – SCP Academy

Digital Championship 2017-2018: 3rd Place

Cisco CCNA: Networking Essentials

Cisco CCNA 2: Routing and Switching

Attended Cyprus Programming Olympiad

Education

2020-2024   **Cyprus University of Technology**

- **Currently studying Computer Engineering and Computer Science.**

2019-2020   **National Guard**

- **Successfully completed my service as a Sub-Corporal. Worked in the main office of the military Unit managing soldiers, and warehouse material.**

2015-2019

                           Aradippou Highschool

- **Modules completed: English (A), Computer Programming (A), Mathematics (C), Physics (A), Cisco Networking (A).**

Hobbies and Interest

- **Astronomy**
- **Chess**