PANOS OIKONOMOPOULOS

Software Engineer - Pentester

6984873653

panos2072@gmail.com

panos-oikonomopoulos

HTB PROFILE

SUMMARY

I am an Electrical and Computer Engineering student with one year of experience as a Software Developer in a startup, where I worked part-time/full-time on freelance projects. Currently, I am part of my university's drone team as the Software Developer Lead, developing advanced solutions for UAV systems. Additionally, I am self-studying cybersecurity through online courses and external resources, focusing on protecting modern systems and infrastructures. I am passionate about innovative technology and problem-solving in both hardware and software.

EDUCATION

University of the Peloponnese

Electrical and Computer Engineer
2021 – Present

SKILLS

- **Python** – Experience in application development and automation.
- **Problem-Solving** – Skilled in analyzing and resolving technical challenges.
- **SQL** – Knowledge of database design and management.
- **Teamwork** – Effective collaborator in professional and academic settings.
- **Cybersecurity** – Self-taught in system protection, threat analysis, and ethical hacking.
- **Cryptography** – Understanding of encryption algorithms and secure communications.

CERTIFICATIONS

- PJPT | TCM Security
- Zephyr ProLab | HTB
- Red Teaming | TryHackMe
- Jr Penetration Tester | TryHackMe
- Offensive Pentesting | TryHackMe
- Introduction to Cyber Security | TryHackMe
- Dante ProLab | HackTheBox
- FullHouse ProLab | HackTheBox
- Bug Bounty Hunter | HTB
- Database Design | Oracle Academy
- Database Programming with SQL | Ocacle Academy
- Meta Front-End Developer | Meta
- Robotics: Computational Motion Planning | Penn University
- Robotics: Aerial Robotics | Penn University
- Introduction to Programming with Python | Patras University

PROFESSIONAL EXPERIENCE

Software Engineer

Neux Ltd | 2023- 2024

- **Frontend Development for XR Applications** – Creating interactive experiences for users in virtual and augmented reality environments.
- **Bot Development** – Automating processes and enhancing user interaction across various platforms.
- **API Implementation and Integration** – Collaborating on API development to enable system communication and streamline application functionality.

Software Engineer Lead

Hyperion Drone Team | 2023 - Present

- **PID Controller Development and Optimization** – Designing and tuning PID controllers for drone flight control, ensuring stability and precise responsiveness.
- **AI Model Creation and Training for Object Detection** – Enhancing drone autonomy and navigation capabilities through trained AI object detection models.
- **Flight System Simulations** – Using Matlab for performance analysis and evaluation of the flight system through simulations.
- **Custom Flight Controller Design and Development** – Building a tailored flight controller to meet the specific needs of the team and drone applications.