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John Eliades

EDUCATION

University of Thessaly, Department of Electrical and Computer Engineering

Earned a Master of Engineering in ECE (GPA: 8.00/10.0) in 5 years.

- **Thesis:** Torrent client using Go programming language.

PROJECTS

Asynxy: Asynchronous RCE middleware webapp

- Created a webapp for remote command execution to a set of slave nodes, who periodically request new commands, execute them locally and post results back to the application using an HTTP REST API.
- **Tools:** Node.js, Express, Javascript, HTML, CSS, Python, MongoDB, MariaDB

Windows Server 2019

- Automation of mass user creation on a windows server 2019 with group policy (GPO) restrictions on the clients adequate for use in a school environment.
- **Tools:** Batch

File Explorer

- A file explorer that achieves cross-platform functionality in a visually appealing way.
- **Tools:** Java, Swing

Code Crawler

- A crawler that finds the answer to a software-related question by searching for accepted answers in popular sites such as StackOverflow using HTTP GET requests.
- **Tools:** Python, Google API, BS4

Portal

- A recreation of the teleportation mechanics of the popular game Portal using Blueprint Visual Scripting.
- **Tools:** UE4, Blender

Aimbot

- An aimbot made with the help of openCV for identifying humans in any first person shooter game.
- **Tools:** Python, openCV

Portfolio

- A responsive website used as a portfolio depicting my projects, events I have participated in and the skills acquired in the process.
- **Tools:** Javascript, HTML, CSS

CHALLENGES

Panoptis 2019 - Military Cybersecurity exercise

- The UTH team solved and reported on Data Exfiltration, and Social Network Communication Analysis episodes.

Deloitte Hacking Challenge 2019 - Capture The Flag Cybersecurity contest

- Finalist, finishing 23rd out of 175 participants (40 participants in the final round) after solving various problems including web exploitation, reverse engineering, scripting, steganography etc.

Google Hashcode 2020

- Solved the challenge in a relatively efficient way.

ADDITIONAL

Skills

- Programming Languages: C, C++, C#, Java, JavaScript, Go, Python, Bash
- Scripting Languages: Matlab, R
- Other: HTML, CSS, JSON, XML, LaTeX
- Databases: MySQL, PostgreSQL, MongoDB
- Experience with various pentesting and reconnaissance security tools.
- Experience in teaching programming concepts to students.

Languages

- Greek: Native language
- English: C2 level ECPE certificate of Michigan University.