Pavlos Vrachnis

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GitHub

p-vrachnis

LinkedIn

pavlos-vrachnis

Skills

- Fluent in **Python.**
- **C, C#, SQL, PHP.**
- **Linux, Windows.**
- **Cryptography, Computer and Network Security and Networking.**
- **Scripting, Data Mining and Data Analysis.**
- **Algorithms, Statistics, Software technology, Probabilities, Algebra, Data structures and Operating systems.**

Work Experience

- **Freelancer** - **01/01/2022 – Current**

- **Citrix** - **01/09/2021 – 16/12/2021**
  Software Engineer I, Cloud Services

Master's Degree thesis (Cyber News Insider)

Master thesis about **Cybersecurity**, focused on finding new threats and in general inform the user about the latest cyber news. This project is being worked on with the usage of **Data Mining** crawlers and **Data Analysis** techniques and is beeing developed with **Python**. The supervisor professors for my thesis is Dr. Spyros Sioutas alongside Dr. Stamatiou Ioannis and Dr. Makris Christos.

Education

Five years Integrated Master's degree.

- **08/2014 – 10/2020, Computer Engineering and Informatics Department**
  University of Patras, Patras, Greece.

Awards

My team was awarded from my university the title of **Best Parallel Processing** project of the year 2018-2019. It utilizes the Ramer-Douglas-Peucker algorithm and it is developed with **C++** and **OpenMP.**

University Work

- **Python multi-dimensional data structures**
  K-D and Quad tree.

- **Python document similarity**
  Finds top-k most similar documents.

- **Hospital management**
  Java application that manages the resources of a hospital.

- **Crowdsourcing and recording system exploiting user activity**
  Website with the use of PHP, Javascript, HTML, CSS and SQL that analyzes location data in JSON format.

Other Work

- **Keylogger**
  A python keylogger that gets the usefull keys the user types and saves it to a text file.

- **Virus**
  A python virus that spreads through copying itself to other python programs.

- **Port scanner**
  A python port scanner that is looking for open ports.

- **AWS script**
  A python script to fetch IAM users without MFA and Console Access.

Other Studies

- **Completed Security+ training.**
- **Completed CySA+ training.**
- **Completed penetration testing online training.**

Ongoing

- **TCM Security Practical Network Penetration Tester certification.**

Languages

Indicates competence on a scale of **1 (basic)** to **5 (excellent).**

	READING	SPEAKING	WRITING
ENGLISH	5	4	4
GREEK	5	5	5

Military

- **Military obligations fullfilled**
  Hellenic Army Information Support Center.