

Pavlos Vrachnis

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GitHub

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[pavlos-vrachnis](#)

Skills

- Fluent in **Python**.
- **C, C#, C++, Java, SQL, PHP, Go**.
- **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**.
- Familiarity with **Git, Azure, AWS, Splunk, New Relic, Jira, Docker and Agile methodologies**.

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 being 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

- **E-shop platform.**
Python, Flask, Postgress, API.
- **AWS script.**
A python script to fetch IAM users without MFA and Console Access.

Other Studies

- **Security+ training.**
- **CySA+ training.**
- **Penetration Testing training.**
- **Azure Fundamentals training.**
- **AWS Certified Cloud Practitioner 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 fulfilled.**
Hellenic Army Information Support Center.

