

Ksandros Apostoli

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ABOUT ME

Cyber-security master's student and enthusiast. After completing my first official security role as an associate security consultant for the past 6 months, I am currently dedicating my time and efforts towards the completion of my master thesis at the DEDIS Laboratory - EPFL, supported by the Cyber-Defence Campus initiative.

EDUCATION

ÉPF Lausanne, Lausanne, Switzerland – **ETH Zürich**, Zürich, Switzerland

▪ M.Sc. in CyberSecurity

Sep 2019 – Present

▪ Relevant Coursework:

- Information Security and Privacy
- Cryptography and Security
- Software Security
- Network Security
- Security Engineering
- Wireless Network Security
- Advanced Algorithms
- Decentralized System Engineering

American University in Bulgaria, Blagoevgrad, Bulgaria

▪ B.A. in Computer Science & Mathematics (Double Major)

Aug 2014 – May 2018

- *Summa Cum Laude*
- Cumulative GPA: 3.95 / 4.0

RECENT ACADEMIC HIGHLIGHTS

Semester Project, EPFL

Spring '20

▪ Laboratory for Data Security

▪ Title: "Privacy-Leakage Analysis of Federated Learning Health Workflows"

- Professor(s): Prof. Jean-Pierre Hubaux
- Keywords: Genomic Privacy, Machine Learning, Federated Learning, Membership Inference Attacks

Class Project, EPFL

Fall '19

▪ Decentralized System Engineering

▪ Title: "Keyster: A Decentralized Password Manager"

- Professor(s): Prof. Bryan Ford
- Keywords: Go-Lang, Decentralized Systems, Security, Secret Sharing, Password Manager

RELEVANT WORK EXPERIENCE

Associate Security Consultant, SEC Consult Group

March 2021 - Sep 2021

▪ Security Analysis and Consulting Internship

- Carry penetration testing / red-teaming / blue-teaming / incident response projects
- Provide security advice based on technical analysis and review of systems.

Software Engineer, CData Software Inc.

Jan 2019 – Aug 2019

▪ Development of Data Connectivity Drivers.

- Technical Framework: Java, C#, SQL, REST API, PowerShell
- Responsible for completing a full software development cycle, starting from design to testing.
- Participated in design decisions based on agile development principles.

Software Development Intern, Centroida CO.

May 2017 – Aug 2017

▪ Project: Visual Communication Tool for Postbank

- Technical Framework: C#, .NET Core, SQL
- Took part in top-level architectural decisions.

TEACHING EXPERIENCE

Teaching Assistant, American University in Bulgaria

Spring '18

▪ Department of Computer Science

▪ Course Title: Web Server Technologies

- Assisted professor J. Galletly in the preparation of laboratory exercises and lecture materials.

Teaching & Grading Assistant, American University in Bulgaria

Fall'15 - Spring '18

▪ Department of Mathematics

▪ Course Title(s): Numerical Analysis, Calculus I - III

- Worked closely with professor A. Ganchev and H. Iliev to offer additional lecture and seminar classes.
- Periodically checked and graded submitted homework for the courses.

AWARDS & SCHOLARSHIPS

▪ Excellence Fund Scholarship, Ministry of Education, Youth and Sports - Albania
Scholarship for master's studies, awarded based on academic excellence.

Jun 2019

▪ President's List, Spring 2015 through Spring 2018, AUBG

2015 – 2018

For attaining a GPA of at least 3.80 for two or more semesters.

- Outstanding Achievement Award in Computer Science, AUBG Apr 2018
One of the 2 awardees within the department of Computer Science.
- Outstanding Achievement Award in Mathematics, AUBG Apr 2018
One of the 2 awardees within the department of Mathematics.
- AUBG Undergraduate Scholarship, American-Albanian Development Fund Mar 2014
Full-tuition scholarship for undergraduate studies. One of 5 awardees in Albania.

CONFERENCE PRESENTATIONS

“Building an Automated Chess Playing Robot”

- “Fellowship of Mind”, 12th Annual Student Faculty Research Conference, AUBG Apr 2018
 - Track: Computer Science
 - Papers Submitted: Apostoli, K., & Gjiriti, E. (2018). *Building an Automated Chess Playing Robot*.

“Artificial Intelligence in Superposition: An Introduction to Quantum Machine Learning”

- “Fellowship of Mind”, 12th Annual Student Faculty Research Conference, AUBG Apr 2018
 - Track: Mathematics
 - Papers Submitted: Apostoli, K. (2018). *Quantum Optimization of Proximal Support Vector Machines*.

LANGUAGES

- Greek: Native language
- Albanian: 2nd Native Language
- English: Proficient (reading, speaking, writing)
- German: Begginer

SKILLS

LaTeX, Programming in {Go, C++, Python, Java, C#, SQL, JS}, UNIX OS, REST API, Network Programming, .NET, Cyber-Risk Analysis & Management, Fuzzing, Code-Scanning.

INTERESTS

Information / Software / Network / Web-Application Security, Security Engineering, Cryptography, Privacy Enhancing Technologies, Decentralized Systems, CTF, DTF.

REFERENCES

Available upon request.

[Resume compiled on 2021-09-19 for Personal Website]