

Ileana Popa

Iasi, Romania

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Education

UAIC (Alexandru Ioan Cuza University)

MASTER IN SOFTWARE ENGINEERING

Iasi, Romania

Oct. 2018 - Jul. 2020

UAIC (Alexandru Ioan Cuza University)

B.S. IN COMPUTER SCIENCE AND ENGINEERING (GRADE 8.00/10.00)

Iasi, Romania

Oct. 2015 - Jul. 2018

Work Experience

Bitdefender - MacOS Team

JUNIOR SECURITY RESEARCHER

Iasi, Romania

Jan. 2019 - Present

- Currently, I am part of a research team that specializes in malware analysis, targeting the MacOS operating system. I work on improving our detection rates by analysing new malicious threats, as well as discovering new variants of existing malware families and signing them appropriately. This includes improving our automated internal systems that help us identify and sign new samples found in the wild.
- During the introductory training I learned how the antivirus works, practiced reverse engineering techniques in Assembly language, solved exercises and analysed executable files using Python and C++.

Amazon

SDE INTERN

Iasi, Romania

Jun. 2018 - Sep. 2018

- The main project I worked on was "Root cause analysis for detecting anomalies inside the data" for which I prepared the data to create a Decision Tree model that separates the main contributors from an anomaly. I used AWS Cloud technologies (S3, EC2, Athena) and Python for handling the data.
- I worked on automating the process of creating a PowerPoint weekly report that organizes visually data gathered from the database on a weekly basis. Charts and tables are automatically generated on a presentation slide using Python libraries like pandas and pptx.

Continental

INTERN

Iasi, Romania

Jul. 2017 - Oct. 2017

- I redesigned a database and worked on the interface for an internal tool that displayed the execution progress of tasks in real time. I used mainly Python and SQL and participated at daily Scrum meetings with my team to follow the goal of the project.

Extracurricular Activity

Google CodeU

CODEU STUDENT

London, UK

May 2019 - July 2019

- I solved individual and group algorithmic assignments that were reviewed by a Google Engineer Mentor, and at the end participated at the Google Student Retreat at the office in London. The experience was packed with motivating and inspiring trainings and workshops that I feel have improved my self confidence in the field of computer science.

Leonardo da Vinci Project

HIGH SCHOOL STUDENT SUMMER PRACTICE

Malaga, Spain

June. 2013 - July. 2013

- I designed graphic elements for a small t-shirt company through the project "Developing digital graphic skills for the new media technologies".

Supergirls in Tech Workshops - Amazon

STUDENT

- The workshops focus on tackling specific topics in the broad field of Computer Science to spark interest and attract girls to the domain. Subjects approached range from 3D Modelling to Public Speaking.

Hobbies & Interests

FREE TIME

- I solve problems online, alone or with friends, on sites like Codeforces and Hackerrank. Github: <https://github.com/ileanapopa11>
- Creative and relaxing activities like painting, reading and photography.
- Sport activities: Jogging, bike rides and ping pong