

# **Andrei Seicean**

## **Work experience**

- Bitdefender – Junior Software Engineer (June 2015 – present)
  - Proactive malware research
  - Added new detections methods, improved existing ones and kept a low rate of False Positives
  - Achievements: x86 Assembly, portable executable format, reverse engineering, static and dynamic malware analysis, kernel mode programming concepts, mini filter concepts, Windows debugging
- Project YIA (ERASMUS+): “CNE Reprezinta” (June 2013 – July 2013)
  - Project leader – Supervised all hints of the project
  - Web administrator – Responsible for the website and the wordpress blog
  - Data collector – Aggregated data of costs, participants and activities
  - Designer – Created artwork for all project materials
- County Council of Students Alba (October 2012 – October 2013)
  - Web administrator: Kept website updated and changed the hosting provider
- Informatics team coordinator (September 2012 – June 2013)
  - Coordinated weekly lectures for talented computer science students
  - Covered advanced algorithms, outside the high school's curriculum

## **Education**

- Technical University of Cluj-Napoca (September 2014 – June 2018)
  - Subjects studied: Programing, Data Structures and Algorithms, OOP, Design Patterns, Image Processing, Operating Systems, Hardware Design & Programming, Artificial Intelligence, Databases
  - Projects: Pac-Man game, MIPS Microprocessor, Intranet Chat, Sudoku Map Decoder, Arduino Robot
- “Horea, Closca si Crisan” National College (September 2010 – May 2014)
  - Romanian Baccalaureate - average grade 9.50 / 10.00
  - Subjects studied : Intensive Computer Science, Mathematics

## **Qualifications**

- ORACLE: Database Design and Programing With SQL – 2014
- CISCO: IT Essentials: PC Hardware and Software – 2011

## **Awards**

- County Olympiad in Informatics 2013 – 4<sup>th</sup> place
- National Olympiad in Informatics 2012 – Bronze medal
- Scientific communication session 2011 – Metal detector project – 4<sup>th</sup> place
- Electrical Engineering (county): 3<sup>rd</sup> place (2011), 1<sup>st</sup> place (2009, 2010)

## **Skills and competences**

- Programing languages: Pascal, C/C++, C#, VHDL, SQL, MySQL, x86 Assembly, Java, Python

## **Personal interests**

- Mobile applications: Learned Android platform and OOP concepts from online tutorials
- Electrical and Electronic Engineering (October 2008 – May 2012)
  - Active member of an Electrical Engineering team
  - Learned operating mode of electrical components
  - Among others, created a Metal Detector and a Sound Amplifier

- Music – responsible for high school's radio (September 2012 – June 2014)