PERSONAL INFORMATION   David-Traian

📍 Iancu Bucharest,

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✉ david_traian.iancu@upb.ro Student-la-

🌐 poli.blogspot.com   .

Sex M | Date of birth Nationality Romania

WORK EXPERIENCE

June 2018 – Present

Research and developer

Politehnica University of Bucharest

▪ Autonomous driving – depth prediction, object detection and tracking, vehicle trajectory estimation
▪ Currently working on an onthology for autonomous driving algorithms to help traffic participants to choose between different algorithms

Feb 2014 – Present

Associate Teaching Assistant

Politehnica University of Bucharest

▪ I work as an associate Teaching Assistant. I have a lot of courses and it is a great experience to learn from the others and to teach to other students
▪ Currently teaching: analysis of aglorithms, data structures, algorithm design, numerical methods
▪ Past courses: introduction to the assembly language, formal languages and automata, computer programming

June 2019 – August 2021

Software Engineer

Digital Paradigm Consult SRL

▪ I have worked as a software engineer and later as an administrator for a startup regarding blockchain related technologies.
▪ Languages: Python, Dart, Go, Java, Javascript

March 2018 – May 2018

Software Engineer

Bitdefender

▪ Worked on a component for their antivirus, a Windows service that monitored processes and memory consumption. I worked in the core security team.

Feb 2017 – March 2018

Research And developer

Politehnica University of Bucharest

▪ I worked as a researcher in AI, regarding rule systems and activity inference and detection in an intelligent environment, for example an intelligent house. Made research in the domain of Internet of Things.

Jul 2017 – Feb 2017

Software Engineer

Arnia Software

▪ I have worked in research and development for a SQL-like database written in C++

Jul 2015 – Oct 2015

Software Engineer Intern

4PSA

▪ Internship for 4PSA. Had to implement a software similar to Dropbox.

EDUCATION AND TRAINING

Oct 2018 – Present

Doctoral studies (PhD)

Politehnica University of Bucharest, Artificial intelligence

- Neural Networks, Computer Vision, Autonomous driving, trajectory estimation, object detection, depth prediction, semantic segmentation

Oct 2016 – June 2018

Master degree

Politehnica University of Bucharest, Artificial intelligence

- AI, ML, Neural Networks, Computer Vision, Self-Organised Systems, Knowledge Representation

Oct 2012 – June 2016

Bachelor Degree

Politehnica University of Bucharest, C3 (Basic programs – operating systems, compilers)

- Finished in top 7% in my university
- Participated every year at the ACM regional contest and other algorithm contests
- Best result: 3rd team from Romania

Oct 2008 - June 2012

High School degree

Tudor Vianu, Bucharest

- I have participated in many programming and math contests, including the National Olympiad of Informatics
- Best result: bronze medal at the National Olympiad

PERSONAL SKILLS

Languages

- Romanian – native, English – B2, Spanish – B1, French - A2

Communication skills

- Learned a lot from my teaching experience about how to communicate with others
- I worked in some companies and I have learned from other people about communicating in corporations

Organisational / managerial skills

- I had participated at the ACM Regional Contest 4 times in different teams, last times I was the leader. I had to make some projects in teams during college, and sometimes I lead the project.

Job-related skills

- Excellent algorithm understanding, learned in many contests during both high school and university.
- Best languages known: C++, Java, Python
- I also know: Functional programming, databases, networking, parallel and distributed algorithms, machine learning, artificial intelligence