

Anastasopoulos Nikolaos

Curriculum Vitae

PERSONAL

Name: Anastasopoulos Nikolaos
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MOTIVATION

An enthusiastic, adaptive and fast-learning person with an acute interest in neural networks / AI and control systems. I would like to enhance my knowledge and skills in this scientific domain in an environment that encourages innovative thinking and co-operation.

EDUCATIONAL BACKGROUND

2013 – Today: Department of Electrical and Computer Engineering,
 Division of Automatic Control Systems
 – University of Patras, Patras, Greece
 Expected to graduate in September 2018, **GPA: 7.6/10**

 2007 – 2013: Secondary Education (GPA: 16.5/20.0)

DISTINCTIONS AND AWARDS

- **Third place on international final round** of ‘Big Data Analysis’ (by EESTech Challenge) 2017-18 hackathon.
- Member of **winning team** of local round of ‘Big Data Analysis’ (by EESTech Challenge) 2017-18 hackathon.
- 2nd place in national competition "Deine Stimme weltweit" in 2009-10 school year.

SKILLS

Programming Skills: **C/C++, Matlab/Simulink (Advanced)**
 Prolog, Assembly, Python (Good level), AutoCAD, PSpice,
 LabVIEW, PLC(Ladder diagram – Instruction List – SFC)

Other skills: Big data analysis experience, Weka, Pyspark, Databricks

Language Skills: English - IELTS certificate (8.0/9.0)
Greek (Native)

WORK EXPERIENCE

Jul 2018 – Sep 2018: Internship in Irida Labs. **Research and evaluation** of algorithms on VSLAM problem (Matlab/C++)

Mar 2018 – Apr 2018: **Build a postprocessor for G-code generation from CAD drawings**, for an outdated CNC machine (C++)
Key parts : Decomposition and understanding of machine language, building a CAD file to G-code instructions, translating G-Code to machine specific language

Jun 2013 – Sep 2013
& Jun 2014 – Sep 2014: Electrician as a summer job

PROJECTS

Jan – Feb 2016: Design and construction of a controller for a continuous time system with state feedback (Matlab /Spice)

May – Jun 2016: Design and construction of a controller for a discrete time system with state feedback, using the microcontroller Arduino Uno (Matlab/Arduino/Spice)

May – Jun 2017: Digital control of a car pose ([Matlab - source code](#))

May – Jun 2017: Fuzzy control of hydroelectric plant (Matlab)

Dec – Feb 2017/18: Animation – Physics simulation and visual representation of the solar system ([C++ - source code](#))

May – Jun 2018: Project on machine learning algorithms on various datasets (Weka)

Sep 2017 – Today: **Diploma Thesis:** Genetic algorithms using grammar evolution in parallel machines (C++)

HOBBIES AND ACTIVITIES

- Playing violin, guitar, upright bass and electric bass (lessons from 2000 to 2012)
- Diploma on music theory
- Making the ‘Schoolwave’ festival twice as member of one of the top 20 student bands in Greece.
- Playing on a band (2010-2014)
- Playing basketball, chess