
## THEODORE ANTHONY FRANTZIS

Undergraduate Student, Electrical & Computer Engineering Department, Specialization in Systems, Control and Robotics


## PROFILE

I am a hard-working student, eager to obtain new skills and broaden my knowledge and experience in my field. I enjoy working on projects with other people or on my own.

## SKILLS

Programming Languages:

- Python (Excellent knowledge)
- C/C++ (Very good knowledge)
- MATLAB (Very good knowledge)
- Arduino (Very Good knowledge)
- Java (Good knowledge)
- LabVIEW (Good knowledge)

Other hard skills:

- Microsoft Office (Very good knowledge)
- Autodesk AutoCAD (Good knowledge)
- Spice Software (Good knowledge)
- ROS (Good knowledge)
- ROS2 (Good knowledge)

Soft skills:

- Teamwork
- Leadership
- Problem Solving
- Quick learner
- Dependability
- Hard Worker

## CONTACT INFO


PATRAS, GREECE

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## EMPLOYMENT

- Research Engineer at the Robotics Group of the Mechanical Engineering & Aeronautics Department, University of Patras (February 2024 - Now)

## EDUCATION

- Department of Electrical and Computer Engineering, University of Patras(2019-now)
- 2nd High School of Pefki (2016-2019, Graduated with Academic Excellence)

## INTERNSHIP

- 3-month internship at Roboteq as a Validation and Verification Engineer (July 2023 – September 2023)

## LANGUAGES

- English (Cambridge English Level 3, C2, Certificate in ESOL International)
- Greek (Native)

## PROJECTS AND ACHIEVEMENTS

Team Projects and Contribution in them:

- Currently working with a colleague on my diploma thesis: “Learn-by-demonstration for a pick and place task with a 3D-printed robotic manipulator”.
- Created 2 adaptive controllers (MRAC, Backstepping) for a Two – Tank System in a team of 3 people.
- Autonomous mapping of the Systems & Automatic Control Division of the ECE Department in UoP with the use of ROS, an ODROID and a LIDAR mounted on an AmigoBot in a team of 4 people.
- Created a robust PI controller for a Four – Tank System in a team of 3 people.
- Took part in the assembly and programming in MATLAB of a 7 DoF robotic manipulator controlled by an Arduino to solve the “Hanoi’s Tower” puzzle in a team of 4 people.
- Lead coordinator for the voluntary assistance and instruction of a first-year group of undergraduate students at the University of Patras for the creation of an Ultrasonic Sensor with the use of Arduino and Processing for their 2nd-semester course "Introduction to Electrical Engineering".
- Worked with a single partner for the creation of an Artificial Intelligence model for Hotel Reviews in Python.
- Have worked in a team of 6 people for the creation of an Audio Puzzle in Python.

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Independent Projects:

- Tower defense strategy game in C++ with the use of the OpenGL library.
- Discord Bot for a Discord Server's Administration in Python
- Langton's Ant Implementation in Python

## CONFERENCES

- 13th Electrical and Computer Engineering Student Conference of Greece (2022)
- 21st Annual Session of the Athens Model United Nations (2018)
- 4th Mediterranean Student Council in Naples, Italy (2017)