

Eirini Sotiropoulou

ELECTRICAL AND COMPUTER ENGINEER

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Education

University of Patras

Electrical and Computer Engineering Dept.

MSc - DIPLOMA OF ELECTRICAL AND COMPUTER ENGINEERING, GRADE: 8.09/10

October 2014 - July 2021

Diploma Thesis: Augmented reality application for museums using Unity game machine and Microsoft's Hololens 1

Supervisor: Prof. Nikolaos Avouris



NOTABLE PROJECTS

STUDENT THESIS

June 2020 - July 2021

Research and Design of a system to interact with Virtual Cultural Spaces

Developed an Augmented Reality (AR) application for Patras Archeological Museum, using Unity and C sharp. The application's goal was to educate the user about Ancient Greece. My job was to create the UI in the form of Holograms, as well as to integrate directional arrows to help the user navigate the museum.

Supervisor: Prof. Nicolaos Avouris

COMPUTATIONAL GEOMETRY APPLICATION

2020

Computed the laplacian coordinates of 3D models and reconstructed them using the first 30% of their eigenvalues and eigenvectors. Also made a system to compare different models based on their respected eigenvalues. Coded in C++.

Professional Experience

Epathlon



PROGRAMMING INTERNSHIP

July-August-September 2018

PROJECT INVOLVEMENT:

- Python's beautiful soup: Learned how to scrape data from touristic sites using python's beautiful soup.
- Vba and excel: Made a client app for ordering coffees.

Patras

PRIVATE TEACHER

October 2018 - 2021

Science lessons for children.

Conferences and Workshops

BEST summer course

Messina, Sicily

PARTICIPANTS

August 2017

Arduino technology as the enabler of cyber physical system.

Technical Skills

Operating Systems: Windows and Ubuntu Linux user

Programming Languages: Python (Django), Matlab, C++, C sharp, C, Java, Javascript, HTML, CSS

Industry software skills: Unity, Git, MS/Libre Office, LaTeX

Databases: Experience with SQL and NoSQL Databases

Languages

English: Completely fluent - C2

Cambridge English: Proficiency (CPE)
grade: A

French: Adept - B1

Diplôme d'études en langue française- DELF

Greek

Mother-tongue

Extra Curricular Activities & Volunteer Work

University Cultural Teams

University of Patras

PARTICIPANT & DANCING MENTOR - COORDINATOR

2015-2020

I organised weekly tango lessons as a member of the cultural organisations of the University. As well as being a teacher I also coordinated various events. The teaching process was done through non-conventional methods based on theatre games.

University Cultural Teams

University of Patras

MEMBER OF DRAMA TEAM

2014-2016

Lessons based on theatre and drama games as well as on working as a team.

Other interests: dance, music

References

Professor: Nikolaos Avouris, University of Patras [avouris@upatras.gr]