

Antonis Yialamas

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## Education

University of Crete, Heraklion

Department of Mathematics and Applied Mathematics (2019 - Present)

## Experience

Foundation for Research and Technology-Hellas (FORTH) - Heraklion

Laboratory for Biophotonics and Molecular Imaging (LBMI)

Research Internship

- Participated in the research and development of the WAVESIM simulation platform for acoustic waves
- Experimented with the capabilities and specific features of the WAVESIM platform

University of Crete, Heraklion

Teaching Assistant for the course "Programming Language 1"

- Assisted in solving exercises during lab sessions
- Provided creative feedback on both theoretical and practical questions
- Supervised and mentored 10 first-year students

OPAP Agency (Family business), Heraklion

Co-manager (July 2019 - May 2023)

- Managed operational needs
- Customer service for 100-200 customers daily
- Collaborated with technicians and the accounting department (5-15 collaborators monthly)

Volunteering

University of Crete (January 2024)

- Assisted with 10 school visits to the Department of Mathematics
- Helped over 80 high school students with riddles and problems
- Engaged in discussions and answered students' questions regarding university studies and mathematics

University of Crete (January 2023)

- Assisted with 15 school visits to the Department of Mathematics
- Helped over 120 high school students with riddles and problems
- Engaged in discussions and answered students' questions regarding university studies and mathematics

Projects

PlaySmart Analytics, with Stratis Dalaklis (Course: Entrepreneurship and Innovation)

(February 2024 - June 2024)

- Created an innovative business plan
- Completed value proposition canvas and business model canvas
- Conducted SWOT analysis and market research
- Revenue forecasting for a 5-year period with the help of the course professor
- Presented the project

## Box Office Revenue Forecasting (Course: Applied Statistics)

(May 2024 - June 2024)

- Calculated correlation coefficients for variables
- Used multiple linear regression for revenue prediction
- Interpreted the model and checked if assumptions of the model were met
- Used Python and Jupyter Lite

## National Economy Model (Course: Mathematical Modelling)

(April 2023 - June 2023)

- Described a basic model of a national economy using a system of differential equations
- Studied the model, calculated equilibrium points, and generated graphs of variable functions
- Proposed model improvements, used LaTeX for the report and presentation

## The Role of Investment Banks: The Case of Goldman Sachs (Course: International Economics)

(March 2021 - June 2021)

- Conducted a case study
- Studied and drew conclusions from the book "The Bank: How Goldman Sachs Rules the World"
- Researched sources cited by author Marc Roche
- Cross-verified data using Google Scholar publications
- Presented the project to the professor and peers via online meeting

## Skills and Interests

IT Skills: Python, MATLAB, Google Workspace

Interests: Gardening, Football with Sport Analysis, Researching sustainability solutions