

Andreas Panayiotou

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EDUCATION

University of Cyprus

PhD Computer Science

Nicosia, Cyprus • 09/2022 — Present

Topic: Populated Virtual Environments

Lab: UCY Graphics and Extended Reality

University of Cyprus

MSc Computer Science

Nicosia, Cyprus • 01/2021 — 06/2022

Thesis: Crowd simulation by Deep Reinforcement Learning

University of Cyprus

BSc Computer Science

Nicosia, Cyprus • 01/2017 — 01/2021

Thesis: Shift scheduling software and mobile application for Ambulance Service Cyprus

WORK EXPERIENCE

Research Associate, CYENS - Centre of Excellence

V-EUPNEA MRG: Living, Breathing Virtual Worlds

Nicosia, Cyprus • 09/2021 — Present

- Crowd Simulation
 - Machine Learning
 - Computer Animation
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Internship, CYENS - Centre of Excellence

V-EUPNEA MRG: Living, Breathing Virtual Worlds

Nicosia, Cyprus • 06/2021 — 07/2021

- Teaching Virtual Crowds How to Behave
 - Unity3D | ML-Agents Toolkit | TensorFlow
 - Imitation and Reinforcement Learning
 - Character Animation
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Internship (IT Department), Bernhard Schulte Shipmanagement (BSM)

- Support company core network
 - Provide technical support to employees
 - Training for maritime software
 - Upgrade and repair of computer hardware
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Limassol, Cyprus • 06/2018 — 07/2018

CERTIFICATES

Machine Learning Specialization

DeepLearning.AI

• Supervised Machine Learning: Regression and Classification • Advanced Learning Algorithms • Unsupervised Learning, Recommenders, Reinforcement Learning

08/2022

Internet of Things for IT Professionals

SEnDIng - Sector Skills Alliance for the design and delivery of innovative VET programmes to Data Science and Internet of Things professionals

01/2021

Pure Mathematics A-Level Pearson Edexcel International	06/2014
English as a second Language Cambridge International Examinations	06/2014
Computing A-Level Cambridge International Examinations	06/2013

PUBLICATIONS **Andreas Panayiotou**, Theodoros Kyriakou, Marilena Lemonari, Yiorgos Chrysanthou, and Panayiotis Charalambous. 2022. CCP: Configurable Crowd Profiles. In ACM SIGGRAPH 2022 Conference Proceedings (SIGGRAPH '22). Association for Computing Machinery, New York, NY, USA, Article 53, 1–10. doi.org/10.1145/3528233.3530712

LANGUAGES Greek (native), English (fluent)

TECHNICAL SKILLS **Languages:** C, C++, C#, Python, Java, Pascal, ARMv8, Prolog
Programming Tools: Unity3D, Unreal Engine, Visual Studio, PyCharm, Eclipse, Git
Web/Mobile Development: HTML, CSS, JavaScript, PHP, Node.js, Bootstrap, Apache Cordova, XAMPP
Operating Systems: Microsoft Windows, Linux, Unix
Other: TensorFlow, OpenGL, OpenCV, NetworkX, ZeroMQ, OOP, UML, SQL

SOFT SKILLS Problem-solving, Decision Making, Teamwork, Communication, Time management, Active listening, Creativity, Adaptability, Responsibility

REFERENCES Available upon request.