# Andreas **Panayiotou**

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## EDUCATION

**University of Cyprus**
PhD Computer Science
Nicosia, Cyprus • 09/2022 — Present

**Topic:** Populated Virtual Environments

**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

**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

**Internship (IT Department), Bernhard Schulte Shipmanagement (BSM)**
Limassol, Cyprus • 06/2018 — 07/2018

- Support company core network
- Provide technical support to employees
- Communicate with company partners located abroad to learn the use of maritime software
- Upgrade and repair of computer hardware

## CERTIFICATES

**Machine Learning Specialization**
DeepLearning.AI
08/2022

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

**Internet of Things for IT Professionals**
01/2021

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

### 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

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**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. https://doi.org/10.1145/3528233.3530712

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**LANGUAGES**

Greek (native), English (fluent)

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**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

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**SOFT SKILLS**

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

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**REFERENCES**

Available upon request.