

# Andreas Panayiotou

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## EDUCATION

### University of Cyprus

Master's in computer science

Nicosia, Cyprus • 01/2021 — 06/2022

**Thesis:** Crowd simulation by Deep Reinforcement Learning

### University of Cyprus

Bachelor's in 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)

- 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

Limassol, Cyprus • 06/2018 — 07/2018

## CERTIFICATES

### 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 Special Interest Group on Computer Graphics and Interactive Techniques Conference Proceedings (SIGGRAPH '22 Conference Proceedings), August 7–11, 2022, Vancouver, BC, Canada. ACM, New York, NY, USA, 10 pages.  
<https://doi.org/10.1145/3528233.3530712>

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**LANGUAGES**      Greek, English

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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