

Andreas Panayiotou

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EDUCATION

- University of Cyprus**, PhD Computer Science Sep 2022 – Present
- **Topic:** Intelligent Heterogeneous Crowds
 - **Lab:** UCY Graphics and Extended Reality
- University of Cyprus**, MSc Computer Science Jan 2021 – Jun 2022
- **Thesis:** Crowd simulation by Deep Reinforcement Learning
- University of Cyprus**, BSc Computer Science Jan 2017 – Jan 2021
- **Thesis:** Shift scheduling software and mobile application for Ambulance Service Cyprus

WORK EXPERIENCE

- Univeristy of California, Riverside**, Visiting PhD Student Sep 2024 – Dec 2024
- **Group:** Motion Planning Lab
 - **Topics:** Crowd Simulation, Generative AI, Graph Machine Learning, Computer Graphics
- CYENS - Centre of Excellence**, Research Associate Sep 2021 – Present
- **Group:** V-EUPNEA: Living, Breathing Virtual Worlds
 - **Topics:** Computer Graphics, Machine Learning, Virtual Environments
 - **Horizon2020 Projects:** SHARESPACE: VR, XR, AI | ReInHerit: Computer Game Technologies
- CYENS - Centre of Excellence**, Internship (Research) Jun 2021 – Jul 2021
- **Group:** V-EUPNEA: Living, Breathing Virtual Worlds
 - **Topics:** Crowd Simulation, Deep Learning, Unity, Character Animation
- Bernhard Schulte Shipmanagement (BSM)**, Internship (IT Department) Jun 2018 – Jul 2018
- **Topics:** Computer Networking, Maritime Software, Client Support

PUBLICATIONS

- Panayiotou, A.**, Kyriakou, T., Lemonari, M., Chrysanthou, Y., and Charalambous, P. (2022). CCP: Configurable Crowd Profiles. In ACM SIGGRAPH 2022 Conference Proceedings. Association for Computing Machinery.
<https://doi.org/10.1145/3528233.3530712>
- Kyriakou, T., de la Campa Crespo, M.Á., **Panayiotou, A.**, Chrysanthou, Y., Charalambous, P. and Aristidou, A. (2024), Virtual Instrument Performances (VIP): A Comprehensive Review. Computer Graphics Forum, 43: e15065.
<https://doi.org/10.1111/cgf.15065>
- Lemonari, M., Charalambous, P., **Panayiotou, A.**, Chrysanthou, Y., and Pettré, J. (2024). Behavioral Landmarks: Inferring Interactions from Data. In Eurographics 2024 - Posters. The Eurographics Association.
<https://doi.org/10.2312/egp.20241039>

CERTIFICATES

- Machine Learning Specialization**, DeepLearning.AI Aug 2022
- **Topics:** Supervised Machine Learning: Regression and Classification, Advanced Learning Algorithms, Unsupervised Learning, Recommenders, Reinforcement Learning

Internet of Things for IT Professionals , SEnDIng	Jan 2021
Pure Mathematics A-Level , Pearson Edexcel International	Jun 2014
Computing A-Level , Cambridge International Examinations	Jun 2013

LANGUAGES

Greek (native), **English** (fluent)

TECHNICAL SKILLS

Languages: C, C++ , C#, Python, Java, Pascal, ARMv8, Prolog

Programming Tools: Unity3D, Unreal Engine, Blender, Visual Studio, PyCharm, Eclipse, Git

Web/Mobile Development: HTML, CSS, JavaScript, PHP, Node.js, Bootstrap, Apache Cordova, XAMPP

Other: TensorFlow, PyTorch, 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.