George M. Kousis

ELECTRICAL AND COMPUTER ENGINEER

Ioniou 4, 17455 Alimos, Greece

☎ (+30) 69 70 96 8338 | ✉ gmkousis@gmail.com | 🏠 kusius.github.io | kusius | in george-kousis

Education

Aalborg University (AAU)   *Aalborg, Denmark*
M.SC. IN VISION, GRAPHICS AND INTERACTIVE SYSTEMS - DISCONTINUED   *Sep. 2019 - Apr. 2020*
- Semester 1: Took part and presented in AAU's internal *Seven Semester Conference (SEMCON)* with project: Weather Classification for Consistent Ilumination in Augmented Reality.
- **Cg/HLSL** for **Unity**. **ARCore** for Unity Android application. **C#** scripting.
- Shaders for soft shadowing (umbra, penumbra) using spherical geometric primitives.

National Technical University of Athens (NTUA)   *Athens, Greece*
M.ENG. IN ELECTRICAL AND COMPUTER ENGINEERING   *Sep. 2012 - Feb. 2018*
- Major in Software, Computer Systems and Computer Networks
- GPA: 7.94/10
- **Diploma thesis**: *Reccommendation Selection and Quality of Experience in Cyber-Physical Social Systems*
- **Advisors:**
  Professor Papavasileiou Symeon (National Technical University of Athens)
  Assistant Professor Tsiropoulou Eirini-Eleni (University of New Mexico)
- **Thesis published in Future Internet MDPI Journnal:**
  Tsiropoulou, E., Kousis, G., Thanou, A., Lykourentzou, I. and Papavassiliou, S., 2018. Quality of Experience in Cyber-Physical Social Systems Based on Reinforcement Learning and Game Theory. Future Internet, 10(11), p.108

Experience

Alfa Laval   *Aalborg, Denmark*
PROGRAMMER STUDENT WORKER   *Jan. 2020 - Jun.2020*
- Responsible for extending functionality of in-house tooling used by Boiler Sales team. **VBA** and **Windows Forms**.
- **Python** application. **Tkinter** GUI, filesystem operations to automate management of order folders.

Information Technology Support Center (KEPYES), Hellenic Army   *Greece*
DATA ANALYTICS & IT SUPPORT (COMPULSORY MILITARY SERVICE)   *Nov. 2018 - Jun. 2019*
- Worked in a strict, organized and demanding environment where discipline and confidentiality were paramount.
- Maintenance and update of **MS Access GUI** and back-end applications via **VBA**. Interconnecting MS Excel with Access.

Signal Ocean   *Athens, Greece*
DATA ENGINEER INTERN   *Aug. 2016 - Nov. 2016*
- **SQL** queries on complex database. Basic **Tableau** experience
- *Human in the loop* data collection & preparation for inserton into the database
- Sea route visualization tool in **python** via 2D heatmaps.
- Agile environment with daily scrums. Individual as well as team-focused sprints.

Personal Projects (kusius.github.io/projects)

Song recognizer app for Windows   **OpenGL engine experiments**   **GUI Development with CEF**
C++, QT WIDGETS, WASAPI, ACRCLOUD   C++, GLSL 3.30 CORE, GLFW, GLM, ASSIMP   C++, CEF, HTML/CSS/JS
                                        Blinn-Phong lighting and basic texturing.
                                        Dynamic shader reloading

Miscellaneous

Foreign Languages   **Games**   **Music - Guitar**
CERTIFICATIONS   IF IT'S FUN, I PLAY IT!   LONDON COLLEGE OF MUSIC(RGT) - GRADE 8 CERTIFIED
- English: Excellent, Cambridge C1   - Favourite genres: puzzle, mystery,   Music has been a consistent builder of confidence
- French: Fluent, Delf B2 (grew up in   action, rpg, competitive games   and team play throughout the years and is always a
  Brussels for 5yrs)   - Previously part of the Skywind   joyful activity.
- Greek: Native   mod for TESV: Skyrim as a gameplay
                                          mechanics programmer.