

PETROS SKLAVOUNOS

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EDUCATION

The Cooper Union for the Advancement of Science and Art, New York, USA
Bachelor of Engineering, Mechanical Engineering (GPA 3.27/4.0), Graduation: May 2024

WORK EXPERIENCE

KPMG Lower Gulf, Dubai, UAE July 2019
Intern, IT Department

- Implemented data conversion for client base on Microsoft Dynamics 365 Customer Relationship Management system from Excel
- Shadowed IT Helpdesk Lead in host server location and central office
- Presented and discussed progress with Assistant Director ITS and COO

PROJECTS

The Cooper Union Hyperloop, New York, USA 2021 - present
Frames Subsystem Lead

- Designing a truss-style frame that will be manufactured for the upcoming North American Competition
- Leading the Finite Element Analysis for all subsystem builds to optimize and correct them using Ansys and SimScale
- Managing team of four with semi-weekly sprint presentations and meetings

The Cooper Union, Dynamics Project, New York, USA December 2021
Demonstration of an Electron's Half-Spin

- Led group in designing and 3-D printing of a working prototype using Onshape and Ultimaker Cura
- Wrote the math and research aspects of a LaTeX scientific report

The Cooper Union, Design & Prototyping, New York, USA March 2021
The 'Litter Robots': a city waste management robot

- Brainstormed a Shark Tank project executed in two weeks
- Executed the product development life cycle with emphasis on prior art research using a patent search tool
- Pitched the Minimal Viable Product prototype from the Solidworks model with the user interface of the application

The Cooper Union, Coding for Engineers, New York, USA March - December 2020
Project Assignments using C++ and Python

- Coded SOS using C++ makefiles with a customizable board size and numerous real or computer opponents
- Coded a text-based game in Python using colored graphics, command line arguments, structures, and pointers to structures

VOLUNTEER

Sports Heroes Academy, Sunmarke School, Dubai, UAE 2018 - 2019
Special Olympics World Games Abu Dhabi, UAE
Junior Coach, Awarded 'Dream Team 2019', Golf Caddy and Coach

- Coached children of determination in preparation for the Special Olympics and nominated Guard of Honor for Special Olympics Torch Ceremony
- Assisted golfers with tee-offs, provided golf advice and emotional support

SKILLS

Microsoft Office | Python | C++ | AutoCAD | Onshape | SolidWorks | LaTeX |
MatLab | Ansys | SimScale | GIMP | Ultimaker Cura | Shotcut | iMovie

HOBBIES

Avid golfer with distinctions at multiple tournaments in Dubai, Athens and Nicosia

LANGUAGES

English and Greek (bilingual) - French (proficient)