

PROJECTS

INTERNATIONAL GENETICALLY ENGINEERED MACHINE (IGEM)

Team CMUQ - Team Leader

April 2018 - February 2020 (End of project)

- Co-lead of a team of 20 multidiscipline undergraduate researchers.
- Developed a novel system for improved diagnosis of hereditary diseases.
- Showcased our work at the I AM QF 2020 event.

NAUTICAL NAVIGATION SOFTWARE | Python, OpenCV

github.com/kaanaksoy/NNAV

- Developed software that simplifies navigation at sea.
- Calculates course-to steer and displays real time marine traffic.
- Automatically adjusts for wind, tide and magnetic variation.

CO VIRTUAL MACHINE | C

Private Code

- Developed a virtual machine to run CMU's own version of C, CO.

ROBOTICS SUMMER CAMP CURRICULUM

- Created a project based curriculum for Robotics Summer Camp.
- Curriculum still in use by the American Heritage Summer Camp, FL, US.

RESEARCH & EXPERIENCE

CARNEGIE MELLON UNIVERSITY PLANETARY SOCIETY

Co-President / Food & Beverage Operations Manager

October 2017 - Present

- Organized and managed large events at the Qatari Desert for Qatar Foundation (QF) students & staff.
- Organized cooperative trips with other QF partner universities.
- Managed Food & Beverage operations for 100+ people per trip.

AUGMEA SIMULATION AND VR TECHNOLOGIES

Virtual Reality Sensor Development Intern

June - August 2018

- Designed a controller system for military training simulations.
- Led the sourcing and construction of the system.
- Developed a program to interface the controller with CryEngine.

FIRST ROBOTICS COMPETITION

Founder & President, Team #5472

August 2014 - May 2017

- Was in charge of leading a team of 54 students and 5 mentors.
- Secured sponsorship agreements from companies such as Lockheed-Martin and Lexis-Nexis Risk Solutions.
- Created and managed an autonomous vehicle project for LexisNexis Risk Solutions.

BACARO MIAMI

Maître D' (Host)

January - May 2017

- Managed the floor to ensure the restaurant was running smoothly.
- Welcomed, assigned tables & took reservations from guests.
- Interacted with the guests to ensure a pleasurable dining experience.

EDUCATION

CARNEGIE MELLON UNIVERSITY

B.S. in Computer Science

Class of 2021

Minor in Psychology

SKILLS

LANGUAGES

Native in English | Turkish

Elementary Spanish

PROFESSIONAL COMMUNICATION

English | Turkish

PROGRAMMING

Unix | Python | C | C++ | HTML/CSS

PRODUCT DEVELOPMENT

Hardware Development Methods

PCB Design

3D Modelling

ACHIEVEMENTS

BRONZE MEDAL, IGEN

Team CMUQ

November 2019

BEST STUDENT LED ORGANIZATION

CMUQ Planetary Society

April, 2019

30th NAVAL ACADEMY REGATTA

2nd Place, Laser Radial Class

Istanbul, Turkey

CHERRY FESTIVAL REGATTA

Honorary Competitor

Tekirdağ, Turkey

TURKISH NATIONAL REGATTA

14th Place, Laser Radial Class

Bursa, Turkey

LINKS

GITHUB

github.com/kaanaksoy

LINKEDIN

linkedin.com/in/kaksoy

THE PLANETARY SOCIETY

instagram.com/cmuqplanetarysociety