

PROJECTS

ALGORITHMIC TRADING BOT | Python, AWS Machine Learning

Private Code

- Developed a bot to predict and invest in the stock market.

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.

C0 VIRTUAL MACHINE | C

Private Code

- Developed a virtual machine to run CMU's own version of C, C0.

ROBOTICS SUMMER CAMP CURRICULUM

- Created a project based curriculum for Robotics Summer Camp
- It was used by American Heritage Summer Camp in Florida, USA

EXPERIENCE

AUGMEA SIMULATION AND VR TECHNOLOGIES

Virtual Reality Sensor Development Intern

Jun - Aug 2018

- Designed a controller to be used in weapons training simulations
- Developed a Windows app to interface the controller with CryEngine

FIRST ROBOTICS COMPETITION

Founder & President, Team #5472

Aug 2014 - May 2017

- Led a team of 54 students in a business-like structure
- Created and managed an autonomous vehicle project

BACARO MIAMI

Maître D' / Host

Jan - May 2017

- Interacted with the guests to make sure they are satisfied
- Managed the floor to ensure the restaurant was running smoothly

RESEARCH

INTERNATIONAL GENETICALLY ENGINEERED MACHINE (iGEM)

Team CMUQ - Team Leader

Apr 2018 - Present

- Co-lead of a team of 20 undergraduate researchers
- Developed a system for faster, cheaper diagnosis of hereditary diseases

TEXAS A&M UNIVERSITY

Autonomous Vehicle Researcher

Aug 2018 - Feb 2019

- Developed situational awareness software for autonomous vehicles
- Updated the hardware of the vehicles with current technology

EDUCATION

CARNEGIE MELLON UNIVERSITY

B.S. in Computer Science

Class of 2021

Planned minor in psychology

SKILLS

LANGUAGES

Native in English & Turkish

Elementary Spanish

SOFTWARE

Python | C | HTML/CSS | Assembly

PRODUCT DEVELOPMENT

Circuit Design

3D Modelling

ACHIEVEMENTS

FIRST DEANS LIST

Semifinalist

Apr 2015 & Apr 2016

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](https://www.linkedin.com/in/kaksoy)