

## 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](https://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
- 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

### 30<sup>th</sup> 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](https://github.com/kaanaksoy)

### LINKEDIN

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