

YRYSKELDI ANARBEKOV

 github  linkedin  e-mail website  +1 (832) 572 - 8227

EDUCATION

North American University (NAU)

Bachelor of Science in Computer Science

Stafford, TX

Aug 2022 – Present

- Coursework — Computer Networks, System Programming, Databases, Software Engineering

State University of New York, Korea (SUNY Korea)

Bachelor of Science in Computer Science [38 credits]

Incheon, South Korea

Aug 2019 - June 2021

- Coursework — Algorithms, Data Structures, Programming Abstractions, Hardware Programming

EXPERIENCE

North American University

Computer Science Teaching Assistant

Stafford, TX

Sep 2022 – Present

- Held interactive lab sessions with 50+ students twice a week (Introduction to CS)
- Kept track of attendance of 250+ students in 5 different classes

Skysmart

Private Tutor

Online

Aug 2021 – June 2022

- Delivered online lectures to High School students ranging from 9th to 12th grades (Python, Physics)
- Held weekly achievement meetings with their parents

Shinan ICT

Mechanical Engineering Research Assistant

South Korea

Jan 2020 – June 2021

- Built a real-time GNSS positioning system with extra accuracy using error reduction technique
- Researched Ultra-Wideband(UWB) technology to optimize indoor localization using DW1000
- Built UWB circuit boards (tags, anchors) using SAMD51, DW1000 chips
- Worked with the electronics inside audio devices (analog, digital)
- Managed the manufacturing process of High Resolution Horizontal Array Speakers

State University of New York, Korea

Mechanical Engineering Teaching Assistant

South Korea

Aug 2020 – Dec 2020

- Held weekly office hours for helping students with their assignments
- Participated in class improvement discussions with the professor several times a month

PROJECTS

Automobile car prediction

Price prediction of damaged cars using data from auction websites like Copart and IAA

Stafford, TX

Current

- Scraped auto auction websites for data (model, year, damage, price, etc.) using Selenium
- Trained a model for car price prediction using scraped data

Remote GPS Tracking

Public Transportation tracking using Arduino, NodeJS, Flutter, 2GIS, Google Maps

Kyrgyzstan

2021

- Built a device to receive GPS data and send it to the back-end server over UDP using Arduino Pro Mini, SIM800L, NEO-6m [C++/Arduino]
- Developed the whole stack to receive UDP messages from the device and to send them to the user interface [JavaScript, Dart/Flutter, HTML/CSS]

AWARDS

International Physics Olympiad (HM)

Portugal, 2018

- Won Honourable Mention in the most prestigious Physics competition among high school students

Mirzo Ulugbek International Olympiad (Gold)

Uzbekistan, 2018

- Won the Absolute Gold medal in Astronomy in the first Mirzo Ulugbek Olympiad

International Olympiad of Metropolises (Bronze)

Moscow, 2018

- Won Bronze medal in Physics among high school student from Metropolis cities