

Education

Plattsburgh, NY**State University of New York****Sept 2015 - June 2019**

- **Major:** Computer Science, B.S.(in major GPA: 3.55)
- **Second Major:** Economics, B.S.(in major GPA : 3.62)
- **Programming Coursework:** Algorithms & Data Structures, Operating Systems, Computer Security, Artificial Intelligence, Software Engineering, Human-Computer Interaction

Employment

Tutor**Fienberg Learning Center****Sept 2016 - June 2018**

- Helped students to build understanding of introductory CS topics
- Explained the basic concepts of Object-Oriented Programming(OOP) to at least 50 students

Teacher Assistant**“Introduction to Programming” course****Sept 2017 - Dec 2017**

- Provided assistance to students in laboratory projects by explaining programming concepts, fixing bugs and providing feedbacks on programming assignments
- Assisted up to 20 students in laboratory projects every week for three hours

Software Projects

Personal Website: nurlybekkarshiga.com *(for additional information and projects)***IOS Dog Recognition App**

- Developed an IOS application using Swift that allows users to recognize the dog's breed by the picture
- Integrated TuriCreate Machine Learning library to train Convolutional Neural Network for recognition
- Incorporated persistent data storage to archive information about lost dogs
- Designed RESTful backend server allowing users to store information to online database
- Utilized: Swift, Local Persistent Data, TuriCreate, Python, SQLite

IOS Travellers App

- Designed an IOS application that allows users to communicate with each other during the flight
- Incorporated Firebase for messaging and authentication functionalities
- Designed responsive and user friendly interface with Sketch
- Utilized: Swift, SQLite, Sketch

Android Cars App

- Designed an Android application that allows users to search through extensive database of cars and find distributors through the map
- Integrated Firebase framework for messaging and authentication functionalities
- Developed authentication system where users receive emails to verify their identity
- Created interactive and user friendly design
- Utilized: Java,Firebase,XML

Skills

- **Software:** *(advanced):* Swift, Python, Java, Git *(familiar):* C, C++, SQL, XML, HTML/CSS