

IKRA MONJUR

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Education

BS in Computer Science 08/2017 – present
Cornell University, Ithaca, NY

GPA: 3.51 (Dean's List, Spring 2018)

Relevant Coursework: Object Oriented Programming and Data Structures; Discrete Structures; Digital Logic and Computer Organization*; Data Structure and Functional Programming*

Relevant Experience

Undergraduate Research Assistant 09/2018 – present
Autonomous Systems Lab at Cornell University, Ithaca, NY

- Collaborate with a team of 10 students to design and create an autonomous vehicle to navigate through a model town
- Using Python and ROS to enable the vehicle to complete tasks such as lane following, navigation with dynamic vehicles, and abiding by the regular traffic laws in the model town
- Will compete in the university-wide competition called Artificial Intelligence Driving Olympics

Navigation Team Member 09/2018 – present
Cornell Autonomous Bicycle, Ithaca, NY

- Research project team aimed to create a self-steering, self-navigation, and self-balancing bicycle
- Collaborate with other team members to enhance the autonomous bike's navigation system
- Working on applying the self-navigating algorithm to the bicycle

Business Team Member 03/2018 – present
Cornell Aerial Robotics, Ithaca, NY

- Collaborated with two other team members to build a website for the club using web development skills such as HTML, CSS, and JavaScript
- Currently trying to outreach to sponsors for the club as well as handle the budget for the team

Projects

Virtual Reality Game 05/2017 – 06/2017

- Created a virtual reality game in Unity with two other team members using my high school as the setting
- The objective of the game was to find and collect all the hidden objects at different departments
- Took the pictures of our school and imported in Unity using google cardboard app and enabled users to look at an object and collect the item which in return increased their score

Planner App 01/2017 – 02/2017

- Worked in a team of three to create an android app using Android Studio
- A planner app that includes a calendar integrated with the NYC school calendar including holidays and breaks during the school year
- Included basic functionalities of a planner including being able to add/edit homework, tests, events etc.

Skills

Technical Skills

Java
HTML/CSS
Android Studio
OCaml
Python
Unity



Work Experience

Student Administrative Assistant 08/2018 – present
Campus Life Marketing & Communications, Cornell University, Ithaca, NY

- Use Adobe Illustrator to edit posters to promote events around the campus
- Help the office staff with clerical work

Technology Instructor 07/2018 – 08/2018
Lavner Camps, New York, NY

- Taught basic game design, programming, web development, and LEGO robotics to campers
- Assisted the camp director setup for events and talk to parents