

EDUCATION

Rutgers University, New Brunswick
B.S. in Electrical and Computer Engineering

Expected Graduation: May 2020
Honors Academy GPA: 3.964

EXPERIENCE / RESEARCH

ZineOne, Milpitas CA — Software Development Intern, Summer '18

- Developed five omni-channel use cases for large Fortune 500 retailer
- Improved runtime by up to 2000 times for script to be executed millions of times a day
- Real time event analysis in the cloud to improve user experiences
- Coded in Java and JavaScript to integrate back end with client-side code

Flying Insects and Flapping Robots, Rutgers MAE — Research Assistant, Spring '17

- Simulations for flapping insects run using MATLAB
- Computational team member tasked with making predictions for the hardware team

Jet Reconstruction/Analysis of Jet Observables, Rutgers — Research Assistant, '17 - '18

- Managed large datasets generated by harnessing the Monte Carlo JEWEL
- Coded analyses in C++ to create plots, which were studied to make predictions for future RHIC experiments at Brookhaven National Lab

PROJECTS

CrowdPlay - Spring 2017

- Integrated the Spotify API and the Bose Soundtouch API to play music on Bose speakers
- Used Twilio to communicate via text SMS with the Spotify API.
- Implemented text-to-speaker features like volume control, song control, info, etc.
- DevPost: <https://devpost.com/software/crowdplay-q65era>

Autonomous UAV (Rutgers AIAA) - Fall 2017

- Programmed UAV to process a constant stream of large real-time images to locate and identify small targets using OpenCV and Python

Wireless Remote-Controlled Robot (Rutgers IEEE) - Spring 2017

- Utilized a Raspberry-Pi to communicate with an Arduino to control a micro-robot

Sketchpad - Summer 2017

- Taught myself HTML, CSS, JavaScript by creating a customizable Sketchpad
- <http://htmlpreview.github.io/?https://github.com/adverma98/Sketchpad/blob/master/index.html>

AWARDS

HackRU- Best use of Twilio API - Fall 2016

- CrowdPlay won prize for best use of the Twilio Cloud Communication platform.

Rutgers Engineering Honors Case Competition 1st Place - Fall 2016

- Innovative, easily implemented solution was devised within 90 minutes by a team of 4

Dean's List - Fall 2016, Spring 2017, Fall 2017, Spring 2018

- Recognized for exceptional academic performance in a semester

Rutgers Engineering Honors Academy - Fall 2016-Present

- First ever International student to be invited to the Honors Academy

LEADERSHIP EXPERIENCE AND ACTIVITIES

Rutgers Engineering Honors Council Elected Representative - Spring 2017

- Formulated, organized and hosted an 3 engineering community events

REHC Industry Mentorship Program Chair - 2017-2019

- Increased participation by 400% in first year of chairing program
- Coordinated with alumni & students to benefit and give back to the engineering community

SKILLS

Python, Java, JavaScript, C++, Android, Arduino, HTML5, CSS3, MATLAB, LaTeX, SQL