

# Prangon Ghose

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## Education

### Stony Brook University

BACHELOR OF ENGINEERING (B.E.), COMPUTER ENGINEERING

Stony Brook, NY

August, 2017 - PRESENT

- **Anticipated Graduation:** May, 2021
- **GPA:** 3.7/4.0
- **Organizations:** IEEE-Eta Kappa Nu (Theta Mu Chapter) (Inducted 2018)
- **Honors/Awards:** Dean's List (All Semesters), Presidential Scholarship, CEAS Dean's Scholarship
- **Relevant Coursework:** Embedded Microprocessor Systems Design, C/C++ Programming, Java and Object-oriented Programming, Data Structures and Algorithms, Digital Systems Design, Differential Equations

### Stuyvesant High School

ADVANCED REGENTS DIPLOMA WITH HONORS

New York, NY

September, 2013 - June, 2017

## Skills

**Programming Languages** C++, C, Java, Python, HTML, CSS, Assembly (AVR), JavaScript

**Software** Git, Salesforce

**Electrical** AVR Microcontrollers, Arduino

## Experience

### Center for Civic Justice at Stony Brook University

Stony Brook, NY

LEAD CONTENT AND SOCIAL MEDIA MANAGEMENT INTERN

June, 2018 - PRESENT

- Cultivated four interns to build an efficient social media team to increase the organization's marketing capabilities
- Formulated social media strategy across Instagram, Facebook and Twitter to engage over 2000 incoming students in the voting process and to provide them with the necessary knowledge to become active members of their communities

### Stony Brook Robotics Team

New York, NY

SOFTWARE TEAM LEAD

May, 2018 - PRESENT

- Oversaw a team of over 10 undergraduate and graduate students to develop the code base for an autonomous and remote-controlled rover to compete in the University Rover Challenge 2019
- Developed learning tools and guidelines for on-boarding new members to build a sustainable and professional team
- Created marketing and sponsorship strategies to increase engagement between the team and local companies to drive the team's experiential and financial growth

### IAB Technology Laboratory

New York, NY

PRODUCT DEVELOPMENT INTERN

May, 2018 - August, 2018

- Communicated with members to provide support, to increase awareness of IAB Tech Lab projects and to encourage engagement in the organization's efforts
- Documented inter-company exchanges and dialogues through Salesforce to track relationships between the organization and its members and to increase understanding of member needs
- Reviewed and edited technical product documentation regarding data protection and privacy to create understandable instructions and standards for the digital advertising industry
- Implemented search engine optimization (SEO) across the organization's Wordpress site through the use of Google Analytics and SEO plugins to grow the organization's online presence

## Projects

### Cullen, University Rover Challenge 2019 Mars Rover

**IN PROGRESS** | AN AUTONOMOUS AND RC-CAPABLE ROVER WITH SOFTWARE BUILT IN **PYTHON** AND **C**

- Designed the software system architecture based on competition requirements and hardware specifications to create a robust foundation for future iterative development
- Created a wireless network using ESP8266 WiFi modules to transmit video and control data between the Mars Rover and the base station to allow for long-distance communication

### trAIner, A Form-fixing App

**ENTREPRENEUR'S AWARD** AND **BEST DATA VISUALIZATION** AT HACK@CEWIT 2018 | A FORM-FIXING

APP BUILT USING **C++**, **PYTHON** AND **JAVASCRIPT** THAT PROVIDES GRAPHICAL AND HAPTIC FEEDBACK

- Developed charts and diagrams for data visualization, using JavaScript libraries such as d3.js, progressBar.js and chart.js, to show scoring of exercises and user improvement over time