

# Prangon Ghose

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## Education

### Stony Brook University

Stony Brook, NY

BACHELOR OF ENGINEERING (B.E.), COMPUTER ENGINEERING, MINOR IN HISTORY

August, 2017 - PRESENT

- **Anticipated Graduation:** May, 2021
- **GPA:** 3.7/4.0
- **Relevant Coursework:** Embedded Microprocessor Systems Design I, Computer Techniques for Electronic Design II, Introduction to Object-Oriented Programming, Digital Systems Design, Computer Techniques for Electronic Design I
- **Honors/Awards:** Dean's List (Fall 2017, Spring 2018), Presidential Scholarship, CEAS Dean's Scholarship

### Stuyvesant High School

New York, NY

ADVANCED REGENTS DIPLOMA WITH HONORS

September, 2013 - June, 2017

## Skills

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

**Tools** Git, Salesforce

**Languages** Bengali (Conversational), Spanish (Limited Working Proficiency)

## Experience

### Center for Civic Justice at Stony Brook University

Stony Brook, NY

LEAD CONTENT AND SOCIAL MEDIA MANAGEMENT INTERN

June, 2018 - PRESENT

- Cultivated a team of interns to build a sustainable social media and graphic design team to increase the organization's marketing capabilities
- Formulated social media strategy 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 Software team 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 for publishing to create understandable instructions and standards for users
- 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

### Oath

New York, NY

INFUSE INTERN

July, 2017 - August, 2017

- Conducted tests on new iterations of a business to business video distribution platform and to identify key user interface problems to allow clients and creators efficient access to desired content
- Conceptualized and presented new ideas as part of a team of five members to revamp the candidate experience for the Human Resources team to attract a larger pool of motivated candidates

## Projects

### Cullen, University Rover Challenge 2019 Mars Rover

**IN PROGRESS** | A CUSTOM-DESIGNED 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

### trAlner, 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