

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:** Stony Brook Robotics Team, IEEE-Eta Kappa Nu (Theta Mu) (Inducted 11/28/2018)
- **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 (All Semesters), Presidential Scholarship, CEAS Dean's Scholarship

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

Tools Git, Salesforce

Languages Bengali (Bilingual), 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 an efficient social media 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 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

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