

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:** Digital Systems Design, Computer Techniques for Electronic Design I, Introduction to Electrical and Computer Engineering, Calculus IV: Differential Equations
- **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 engineering and computer science students to develop the code base for a Mars 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