

# Prangon Ghose

✉ pghose99@gmail.com | ☎ 516-690-7542 | 🏠 prangonghose.com | 📷 holyrouge | 🌐 prangonghose

## 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
- **Organization(s):** IEEE-Eta Kappa Nu Honors Society (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, Digital Design using VHDL and PLDs, Digital Systems Design, Differential Equations

### Stuyvesant High School

ADVANCED REGENTS DIPLOMA WITH HONORS

New York, NY

September, 2013 - June, 2017

## Skills

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

**Software** Git, UNIX/Linux, Salesforce

**Hardware** Arduino, VHDL, AVR Microcontrollers

## Professional Experience

### IAB Technology Laboratory

PRODUCT DEVELOPMENT INTERN

New York, NY

June, 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

## Leadership Experience

### Center for Civic Justice at Stony Brook University

LEAD CONTENT AND SOCIAL MEDIA MANAGEMENT INTERN

Stony Brook, NY

June, 2018 - PRESENT

- Established the Social Media and Graphic Design team and laid the foundation for the organization's marketing capabilities by developing guidelines on effectively managing various media channels
- Cultivated four interns to build an efficient social media team to increase the organization's online outreach efforts
- 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

SOFTWARE TEAM LEAD

New York, NY

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 (URC 2019)
- Designed the software system architecture for the URC 2019 Mars Rover based on competition requirements and hardware specifications to create a robust foundation for future iterative development

## Projects

### Cullen, University Rover Challenge 2019 Mars Rover

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

- Created a wireless network using Ubiquiti Rocket M2 BaseStations and Omni antennas to transmit long-distance video, telemetry, and control data between the Mars Rover and the base station

### 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