Prangon Ghose

✉ pghose99@gmail.com | ☎ 917-435-9506 | ⌂ prangonghose.com | ⌂ holyrouge | in prangonghose

Education

Stony Brook University *Stony Brook, NY*
BACHELOR OF ENGINEERING (B.E.), COMPUTER ENGINEERING *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:** C/C++ Programming, Java and Object-oriented Programming, Data Structures, Embedded Microprocessor Systems Design, Digital Design using VHDL and PLDs, Digital Systems Design

Stuyvesant High School *New York, NY*
ADVANCED REGENTS DIPLOMA WITH HONORS *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 *New York, NY*
PRODUCT DEVELOPMENT INTERN *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
- **Increased** understanding of member needs by documenting inter-company exchanges through Salesforce to track relationships between the organization and its members
- **Reviewed** technical product documentation regarding data protection and privacy to create understandable instructions and standards for the digital advertising industry
- **Expanded** the organization's online presence by implementing search engine optimization (SEO) across its Wordpress site through the use of Google Analytics and SEO plugins

Leadership Experience

Center for Civic Justice at Stony Brook University *Stony Brook, NY*
LEAD CONTENT AND SOCIAL MEDIA MANAGEMENT INTERN *June, 2018 - PRESENT*

- **Established** the Social Media and Graphic Design team and laid the foundation for the organization's marketing capabilities by training four interns and developing guidelines on the effective management of various media channels
- **Engaged** over 2000 students in the voting process by formulating social media strategy across Instagram, Facebook and Twitter to provide them with the necessary knowledge to become active members of their communities

Stony Brook Robotics Team *Stony Brook, NY*
SOFTWARE TEAM LEAD *May, 2018 - PRESENT*

- **Enhanced** the team's productivity and development process by overhauling the team structure, recruiting over 12 undergraduate and graduate students, and introducing an agile project management methodology
- **Designed** the software architecture for the University Rover Challenge (URC) 2019 Mars Rover, based on competition requirements and hardware specifications to create a robust foundation for future iterative development

Projects

Tetra, University Rover Challenge 2019 Mars Rover
IN PROGRESS | AN AUTONOMOUS AND RC-CAPABLE ROVER WITH SOFTWARE BUILT IN **PYTHON** AND **C++**

- **Created** a point-to-point WiFi 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

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