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, Assembly (AVR), JavaScript
Tools Git, Salesforce, KiCAD, PSpice
Languages Bengali (Conversational), Spanish (Limited Working Proficiency)

Experience

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

Center for Civic Justice at Stony Brook University — *Stony Brook, NY*
SOCIAL MEDIA AND TECHNOLOGY INTERN — *January, 2018 - May, 2018*
- Designed a website for the organization to provide a platform to inform the Stony Brook community about important issues affecting the community and to build the organization's online presence
- Executed social media strategy to effectively develop the organization's brand on Facebook, Instagram, and Twitter by increasing followers and follower engagement by over 50%

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

trAIner
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

LED Clock
AN ELECTRONIC CLOCK DEVELOPED USING **ASSEMBLY** AND THE **PSPICE** CIRCUIT SIMULATION TOOL
- Built an electronic LED clock with a USB charging port to meet USB specifications with a fail-safe mechanism to protect against power spikes and programmed it using Assembly