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
- **Awards:** Dean's List (Fall 2017), Presidential Scholarship, CEAS Dean's Scholarship
- **Extracurricular Activities:** Stony Brook Robot Design Team, Global Studies Certificate Program, Stony Brook Computing Society

Stuyvesant High School *New York, NY*

ADVANCED REGENTS DIPLOMA WITH HONORS *September, 2013 - June, 2017*
- **Relevant Coursework:** Introduction to Computer Science, Advanced Web Design
- **Honors/Awards:** Outstanding Web Design, Outstanding Business Plan

Skills

Programming Languages	HTML, CSS, C++, C, Assembly (AVR), JavaScript
Tools	Git, KiCAD, PSpice
Languages	Bengali (Conversational), Spanish (Limited Working Proficiency)

Experience

Center for Civic Justice at Stony Brook University *Stony Brook, NY*

SOCIAL MEDIA AND TECHNOLOGY INTERN *January, 2018 - PRESENT*
- Designed and developed 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
- Managed and implemented social media strategy to effectively develop the organization's online presence by over 50% by engaging followers on Facebook, Instagram and Twitter

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

Stuyvesant High School Alumni Association *New York, NY*

SENIOR STUDENT LEADER *November, 2016 - August, 2017*
- Led a group of 20 Stuyvesant High School alumni and student leaders to provide current students with the social and personal skills to succeed outside of the school environment
- Organized five sessions of a program to instruct over 100 students on career-development, resume-building and interview-prep to prepare them for the professional world by facilitating group discussions, scheduling events and preparing assignments

StuyHacks *New York, NY*

DIRECTOR OF LOGISTICS *June, 2016 - June, 2017*
- Coordinated three technology events with a team of 15 members to provide learning opportunities to high school students by organizing eight workshops, creating a schedule and developing a budget
- Recruited over 30 judges and mentors from various areas of the technology industry to help high school students develop computer programs and mobile applications to grow their knowledge of programming techniques

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

JeffBot

AN AUTONOMOUS ROBOT DEVELOPED USING **ARDUINO** AND THE **KICAD** CIRCUIT DESIGN TOOL
- Designed and created an electronic circuit that allows for transmission between sensors, an Arduino Uno and a motor driver for the purpose of identifying various types of blocks and moving them to competition goals