

Prangon Ghose

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Education

Stony Brook University

BACHELOR OF ENGINEERING (B.E.), COMPUTER ENGINEERING

- **Anticipated Graduation:** May, 2021
- **GPA:** 3.7/4.0
- **Relevant Coursework:** Digital Systems Design, Introduction to Electrical and Computer Engineering, Calculus IV: Differential Equations

Stony Brook, NY

August, 2017 - PRESENT

Stuyvesant High School

ADVANCED REGENTS DIPLOMA WITH HONORS

- **Relevant Coursework:** Introduction to Computer Science, Advanced Web Design
- **Honors/Awards:** Outstanding Web Design, Outstanding Business Plan

New York, NY

September, 2013 - June, 2017

Skills

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

Tools Git, KiCAD, PSpice

Languages Bengali (Conversational), Spanish (Limited Working Proficiency)

Experience

Vote Everywhere at Stony Brook University

SOCIAL MEDIA AND TECHNOLOGY INTERN

- Designed and developed a website for the organization to provide a platform to inform voters about key information and to increase the organization's online presence
- Managed and implemented social media strategy to effectively expand the organization's audience by over 40% on Facebook and Instagram and to drive brand awareness and engagement

Stony Brook, NY

September, 2017 - PRESENT

Oath

INFUSE INTERN

- 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

New York, NY

July, 2017 - August, 2017

Stuyvesant High School Alumni Association

SENIOR STUDENT LEADER

- 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

New York, NY

November, 2016 - August, 2017

StuyHacks

DIRECTOR OF LOGISTICS

- 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

New York, NY

June, 2016 - June, 2017

Projects

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

Attack Of The Humans

A SPACE INVADERS-INSPIRED GAME DEVELOPED USING **JAVASCRIPT**, **HTML** AND **CSS**

- Developed a space shooter game that utilizes the HTML canvas element and JavaScript to dynamically manipulate 2D images to create the illusion of real-time movement