

# Ishabul Haque

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## EDUCATION

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**Stony Brook University, Stony Brook, NY - B.S Computer Engineering**

May 2021

**Relevant Coursework:** Digital Designs Using VHDL and PLDs, Digital Systems Designs, Electrical Circuit Analysis I, Embedded Microcontroller Systems Design, Embedded Microprocessor Systems Designs II, Integrated Electronics, Introduction to Data Structures and Algorithms,

## Experience

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**iCREATE - Fabrication Team Member**

August 2019- Present

- Organizing and delivering trainings on self-service laser cutters and CNC machines to members
- Assisting students with various services provided at iCREATE such as 3D printers, CNC machines and laser cutters
- Maintaining old spaces and setting up new spaces for all students to use

**Stony Brook Computing Society- Vice President**

January 2020 - Present

- Managing daily operations of SBCS while organizing academic, professional and social events
- Founded Special Interest Groups to allow students to create and join specialized topics in CS
- Organized and lead general body meetings to 50+ members

**Community Chair**

May 2019 - January 2020

- Coordinated and delegated tasks to club representatives to assist with and run events
- Organized numerous community events and technical workshops

**FIRST Robotics, Townsend Harris HS - Student Mentor**

January 2018 -

March 2019

- Assisting students with robot designing and gameplay strategies
- Supervising manufacturing and assembling of robot parts and subsystems

## Projects

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- **CC Rover** - Arduino  
Miniature rover assembled from laser cut parts to collect temperature and humidity underground to assess suitable living conditions of earthworms.
- **Hope Somewhere** - Javascript  
Heat map of the United States that provides a unique perspective on population gender balance using the Heatmap API
- **myBudget** - Javascript  
Online budget app that allows the user to add the income and expenses for a certain month
- **Connect 4** - Java - Connect 4 application using the console for the UI
- **Snakes and Ladder** - C++ - Snakes and Ladder application using the console for the UI

## Skills

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- **Programming Languages:** Assembly, C/C++, Java, Python, VHDL
- **Web Development:** HTML, CSS, Javascript (ReactJS, NodeJS)
- **Technical Skills:** CAD, Git, Laser Cutting, Microsoft Office, OrCAD, PSpice