Emon Chowdhury

347-391-9257 | emonchowdhury493@gmail.com | linkedin.com/emonchowdhury

EDUCATION

Stony Brook University — Stony Brook, NY
Bachelor of Science in Computer Science — *Aug. 2023 – May 2027*

Manhattan Center for Science and Mathematics — New York, NY
4.0 GPA: Advanced Science Research, Robotics, Rocketry — *Sep. 2019 – June 2018*

EXPERIENCE

Research Assistant — June 2022 – May 2023
City College of New York — *New York, NY*
- Conducted in-depth research on underwater sonar communications
- Designed and built fully remote-operated underwater vehicles
- Presented research findings at academic conferences to share insights

Content Expert — Oct. 2022 – Aug. 2023
GT School — *Austin, TX*
- Developed concise study guides to assist students with SAT and AP exam preparation
- Examined the efficacy of AI integration within educational environments
- Utilized analytics to refine and optimize study materials based on student performance

PROJECTS

Digital Clock | *C++, Circuit Design, Soldering, Microcontroller Programming* — August 2023 – Jan 2024
- Designed and developed a digital clock using C++ integrating versatile functions
- Implemented 24-hour and 12-hour modes for user preference
- Engineered an alarm system controlled by user
- Incorporated USB charging capabilities with the clock

Remotely Operated Underwater Vehicle | *Circuit Design, Soldering, Waterproofing* — June 2022 – May 2023
- Engineered underwater vehicle with omnidirectional movement using three motors
- Designed and implemented a wired remote controller system for operation of the underwater vehicle, with a custom circuit for precise control
- Constructed and optimized underwater vehicle prototype, engineering skills for underwater exploration

TECHNICAL SKILLS

Languages: Python, Java, C++
Microsoft Applications: Excel, Microsoft 360, Word, Presentation
Hardware Skills: Circuitry, Soldering, Circuit Programming