

# Shahreen Qazi

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## EDUCATION

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### Cornell University

Aug 2021 - May 2025

- College of Engineering: Majoring in Electrical & Computer Engineering and Computer Science
  - **GPA:** 3.422 | **Courses:** Object Oriented Programming, Digital Logic & Computer Organization

## EXPERIENCE

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### CardioVigi (Start-Up)

Summer 2022

#### Product Design/Engineering Intern

- Designed circuit portions for the CardioVigi device that detects biomarkers of heart disease/attack
- Prototyped and created UI/UX interface for CardioVigi's device app to increase readability, ease of navigation, and organization of information collected from the device.
- Conducted research on academic papers about MIP (Molecularly Imprinted Polymers) reader & its interaction with other electronics such as Bluetooth modules, LED lights, etc.

## EXTRACURRICULAR ACTIVITIES

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### Engineering World Health Project Team (EWH)

Oct 2021-Present

#### Electrical Subteam Member

- Programmed/built in python a blood-oxygen heart rate monitor for pregnant women in labor to hospitals in collaboration with the United Nations Population Fund.
- Breadboarded/programmed N20 motors and linear actuators in collaboration with Alt Bionics - an affordable prosthetics company
- Built electronics to mimic heartbeat sounds to reduce stress for infants in neonatal intensive care units in collaboration with Calmer, a medical device company.
- Designed PCBs, prototyped using breadboards, Arduinos, and used soldering techniques.

### Cornell Global Business Club (CGBC)

Sep 2021-Present

#### Associate

- Supported local Ithaca catering business owner with their marketing strategy by comparing competitive advantages with similar businesses in the area and doing market research
- Worked with a fintech company RealBlocks researching blockchain technology use cases. Findings surrounded about the idea of DLT-based fund distributions, and investor-facing end-to-end platform for tokenized funds
- Completed training on analyzing stocks, reading balance sheets, and making strategic business decisions

### Steminist Movement

Sep 2021- May 2022

#### Education And Outreach Executive Board Member

A national nonprofit organization that fights the STEM gender gap by creating and presenting STEM content to middle school girls.

- Organized STEM-related educational events for over 100 local elementary/middle school Ithaca students.

## SKILLS

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- Coding experience in Python, Java/Javascript, Verilog on FPGA board, C++/C, HTML, CSS
- Familiar with Eclipse's IDE
- Working knowledge in Eagle/PCB design
- Proficient in programming/breadboarding Arduino/Raspberry Pi
- Proficient in Microsoft Office Suite

## PROJECTS

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- Built a multiprocessor using verilog, protoyped an arduino using Eagle, developed a stopwatch timer