

# Namrata Rajaraman

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## Education

North Carolina State University, Raleigh, NC (GPA: 3.62)

May 2023

B.S., Computer Engineering

B.S., Economics

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## Skills and Coursework

**Technical:** C, C++, MATLAB, LC-3 assembly, Python (learning)

**Coursework:** Electric Circuits; Computer Systems Programming (C); Introduction to Circuits, Signals and Systems; Analytical Foundations of Electrical Engineering (MATLAB); Introduction to Computer Architecture; Discrete Math; Information Systems Management; Economics and Business Statistics; Intermediate Macro/Microeconomics

**Professional:** Working proficiency in Spanish and Tamil; certified in Bloomberg Market Concepts

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## Experience

- ❖ **Engagement Manager at Consult Your Community** **October 2019 - Present**
    - Developing a cash flow management system and analyzing market and social media data from over 100 local businesses for small business client
    - Currently serving as project manager, leading a group of 4 business analysts
    - Previously spearheaded partnership system resulting in 26% increase in client website traffic
  - ❖ **Intern at Duke University Eye Center** **September 2018- August 2019**
    - Created a MATLAB program to simulate the shape of the eye by identifying over 500 precise coordinates
    - Used MATLAB processing techniques to automate irregularity detection in various images
    - Used and learned about development of a GUI for image segmentation
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## Projects

- ❖ **Light-Sensitive Nuclear Power Probe**
    - Collaborated on a team to build and test a functioning nuclear power probe that measured Cerenkov radiation within a nuclear reactor using series photoresistor sensors
    - Used data points from sensors to create a function estimating power setting of reactor
  - ❖ **Market Association Rules Program**
    - Wrote a program in C that used data mining to examine buying patterns of customers
    - Utilized association rules to analyze an Excel file of >38,000 purchases and form conclusions
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## Activities

University Honors Program, IEEE, Benjamin Franklin Scholars, Consult Your Community (Engagement Manager, Business Analyst), Alpha Omega Epsilon Professional Engineering Sorority (Outreach Chair, Service Chair)

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## Awards/Honors

- ❖ National Academy of Engineering Grand Challenges Scholar **August 2020**
- ❖ Benjamin Franklin Scholar **August 2019**
- ❖ Thomas J. Watson Merit Scholarship **April 2019**
- ❖ National Merit Finalist **January 2019**

