

# NOOR SYED

Junior at Rutgers University - Computer Science

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in n00rsy

🔄 n00rsy

🌐 n00rsy.com

📍 South Brunswick, NJ

## SKILLS

Languages:

- **Proficient:** Java 8, C, C++ 11, JavaScript ES8, SQL
- **Novice:** Go, Python 3, GraphQL, C#

Tools:

- **Proficient:** Spring Boot, Node.js, Socket.io, AWS, Unix programming, Git, React.js
- **Novice:** Docker, CUDA Toolkit, Android SDK

## EDUCATION

B.S Computer Science  
Minor in Mathematics  
Rutgers University – GPA: 3.72  
SAS Honors Program

📅 Fall 2018 – Spring 2022

## COURSEWORK

Data Structures, Computer Architecture, Systems Programming, Discrete Structures, Linear Algebra, Calculus II

## CLUBS + LEADERSHIP

Marketing Head  
Islam Awareness Week

📅 Sept 2019 – May 2020

- Created and managed a marketing campaign for an event with over 10,000 attendees.
- Oversee campaign content creation and engaged in inter-team logistical planning.
- Pitched to potential donors and secured over 40% of the event's yearly operating budget.

Member  
Rutgers Blockchain Hub

📅 Sept 2019 – present

- Explored novel applications of blockchain technology in cryptocurrency and supply chain.

## PROJECTS

Simple Git  
C, GDB, Valgrind

📅 April 2020

- Version control system based on Git implemented as a multi-threaded webserver using BSD sockets.
- Supports multiple concurrent client connections and operations.

Sphere Raytracer  
C++

📅 May 2020

- Backwards raytracer implemented using standard C++ libraries and custom-built vector/matrix functions.
- Supports physically accurate reflections, shadows, and lighting.

CUDA Text Search  
C++, CUDA Toolkit

📅 May 2020

- Proof of concept comparison of GPU vs. CPU for pattern recognition with optimized versions of the Boyer Moore algorithm.
- Examined how number of threads affected runtime, and found optimal configurations for both processors.

## EXPERIENCE

Software Engineer Intern  
BGC Partners

📅 June 2020 – Sept 2020

📍 New York City, NY

- Developed a trading systems technical support console by implementing a REST API and consumer application from the ground up.
- Collaborated with cross-functional teams to design and build a general purpose debugging library for backend components.

*Used: Java 8, Spring, SQL, Docker, Jenkins, Apache Tomcat, Jolokia, jQuery, AJAX, Agile Methodology (SCRUM)*

Software Developer Intern  
Sabii Digital

📅 Jan 2020 – June 2020

📍 New York City, NY

- Scaled business processes to handle a 600% spike in customer activity by migrating manual workflows to cloud-based solutions
- Automated data processing and analytics to eliminate manual labor and increase productivity.
- Helped onboard and manage a technical support team serving 300 veterinary clinics and 80,000 pet owners.

*Used: Python 3, numPy, AWS s3, EC2, Salesforce*

CFO and Co-Founder  
Launchify

📅 Nov 2016 – Dec 2019

📍 South Brunswick, NJ

- Partnered with local institutions to provide a modern STEM education for over 300 students.
- Designed and implemented a backend for real-time, cross platform virtual whiteboard and chat for online classrooms.
- Managed company finances, employee payroll, and budgeting.

*Used: JavaScript, Node.js, Express, Socket.io, Google Firebase, Arduino C*

Software Engineer Intern  
NJIT Informatics Research Lab

📅 July 2017 – Sept 2017

📍 Newark, NJ

- Developed a browser based programming game that applied traditional linguistics education techniques to teaching programming.
- Aided in development of a custom web-based JavaScript parser and interpreter.

*Used: JavaScript, Acorn, PixiJS, HTML/CSS, Git*