NOOR SYED

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EDUCATION

Rutgers University - New Brunswick   **SAS Honors Program — May 2022**
Bachelor of Science in *Computer Science*   **Dean's List — GPA: 3.721/4.0**
Minor in *Mathematics*

Relevant Coursework: Data Structures, Discrete Structures II, Computer Architecture, Systems Programming, Linear Algebra, Calculus II, Physics II, Logic Reasoning and Persuasion, Honors Colloquium

EXPERIENCE

BGC Partners   **June 2020 - Sep 2020**
Software Engineering Intern
- Backend engineering on a brokerage platform with Java and Spring framework.

Sabii Digital   **Jan 2020 - June 2020**
Software Development Intern
- Scaled various business processes to handle a sudden 600% increase in client activity on a veterinary telemedicine platform during the COVID-19 pandemic by migrating manual workflows to cloud based solutions using AWS products.
- Automated data processing and analytics workflows with Python to decrease manual labor and increase productivity.
- Helped train and manage a technical support team for 300 veterinary clinics serving 80,000 pet owners.

Launchify   **Nov 2016 - Dec 2019**
CFO and Co-Founder
- Co-created a software and education consulting firm to enable local schools and institutions to provide a modern and dynamic STEM education for individuals of all ages.
- Developed a backend for real-time, cross platform collaborative drawing and chat for virtual learning with Node.js and Socket.io.
- Managed company finances and created robotics/programming curricula with Arduino and custom 3D printed parts.

NJIT Informatics Research Lab   **July 2017 - Sep 2017**
Software Engineering Intern
- Colaborated with a team of graduate students on a research project exploring the effectiveness of gamifiying the Supermemo spaced repetition learning algorithm in the context of teaching programming.
- Developed a browser based programming game and added custom functionality to Codemirror, an open source online IDE.
- Presented findings at the NJIT Provost Summer Research Symposium.

PROJECTS

Simple Git   **April 2020**
C, GDB
- Version control system based on Git implemented as a multi-threaded webserver using BSD sockets.

CUDA Text Search   **May 2020**
C++, CUDA Toolkit
- Proof of concept comparison of GPU vs. CPU for pattern recognition using the Boyer Moore algorithm.
- Examined how number of threads and affected runtime, and found an optimal configuration for both processors.

Rutgers Auto Course Sniper   **Sep 2018**
Node.js, AWS EC2, Puppeteer
- Tool to programmatically register students for high-demand classes at Rutgers University.
- Scrapes information from the Rutgers Schedule of Classes website and automatically registers users for classes when they open.

TECHNICAL SKILLS

Languages: **Proficient**: C, C++ 17, Java 8, JavaScript ES8, HTML/CSS   **Novice**: Python 3, SQL, GraphQL, C#

Tools: Linux/Unix, Spring, Node.js, React.js, Socket.io, Apache Tomcat, Jenkins Pipeline, Amazon EC2, s3, Cloudfront, Lambda, Android SDK, Unity, CUDA toolkit, SDL2, OpenGL, GDB, Git, Docker, Agile (SCRUM)

CLUBS AND LEADERSHIP

Islam Awareness Week   **Sep 2019 - May 2020**
Marketing Head
- Created and managed a marketing campaign for an week-long event with over 10,000 attendees.
- Oversaw campaign content creation, met with potential donors, and engaged in inter-team logistical planning.