

Eric Zhang

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EDUCATION

Rutgers University

Bachelor of Science in Computer Engineering, Bachelor of Arts in Computer Science

New Brunswick, NJ

Expected May 2020

- **GPA:** 3.23 / 4.0
- **Honors:** Dean's List 2016, 2017

TECHNICAL SKILLS

- **Programming Skills:** Java (proficient), C (proficient), JavaScript (proficient), Go (experience), MATLAB
- **Technologies:** HTML, CSS, Android Studios, Git

PROFESSIONAL EXPERIENCE

Bristol-Myers Squibb

Project Management Intern

New Brunswick, NJ

June 2018 - August 2018

- Verified and drew in AutoCAD elevation and Piping and Instrumentation Diagram (P&ID) plans of electrical conduit and piping systems through on-site field surveying
- Presented on a kaizen approach to analyzing existing operating procedures and reoccurring errors within past and present projects to ultimately implement changes in company-wide Standard Operating Procedures
- Organized and delivered presentations on the updated company Stage/Phase-gate Process to the Project Management department on the New Brunswick site to streamline project procedure and efficiency

RESEARCH

Acceleration of Sparse Matrix Multiplication

February 2019-Present

- Under Professor Santosh Nagarakatte and Professor Richard Martin, created algorithms to multiply matrices in compressed sparse row (CSR) form in Go
- Implemented parallelism in the above algorithms using Go Routines to be then realized in Verilog

PROJECTS

Banking Client

December 2018

- Programmed an emulation of communication between a bank server and client program using multithreading to support multiple simultaneous client TCP/IP connections and accepting user inputted commands such as the creation, deposit, withdraw, or query of client accounts and executing accordingly

Parallel Execution Document Sorter

November 2018

- Programmed a version of a document sorter that sorts comma separated values by either letter or number using multiprocessing, and another version of the same sorter using multithreading

ORGANIZATIONS & LEADERSHIP EXPERIENCE

Rutgers Engineering Governing Council

Industry Relations Chair

New Brunswick, NJ

May 2018 - Present

- Served as the primary liaison between companies such as Merck Pharmaceuticals and the Rutgers student body to set up information networking sessions on campus to connect students to STEM-related employment opportunities
- Spread awareness of information sessions by creating flyers and reaching out to Rutgers School of Engineering staff and other student organizations to produce consistently high student attendance to these events

Engineers Without Borders – Rutgers University

Team Leader

New Brunswick, NJ

September 2017 – December 2018

- Led a group to design and create “watersheds”, or solar panel powered watering devices using collected rainwater to provide fresh water for community gardens in Camden
- Went on site to locations to meet with clients to discuss logistics of building these watersheds