Eric Zhang

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EDUCATION

Rutgers University – New Brunswick   **Expected May 2020**
Bachelor of Science in Computer Engineering, Bachelor of Arts in Computer Science   **Cumulative GPA: 3.172/4.0**

TECHNICAL SKILLS

- **Programming Skills:** Java, C, Python, JavaScript, Go, Groovy
- **Technologies/Frameworks:** HTML5, CSS, Git/Gerrit, Jenkins, Google Firebase, MongoDB, Express.js, React.js, Gradle, Bootstrap CSS, Linux

PROFESSIONAL EXPERIENCE

Invidi Technologies   **Princeton, NJ**
Software Development Intern   June 2019 - Present

- Created several declarative CI/CD Pipelines in Groovy to run Robot test suites from Jenkins
- Created a python dictionary of build failure and warning information by parsing resultant output.xml files from Robot test suites using the lxml Python library, and developed a flexible process for identifying and sending detailed and well formatted error reports through email and different Slack channels via HTTP Requests
- Redeployed two other versions of these error reports using a Jenkins Plugin and Gradle Plugin for two different teams
- Identified and resolved versioning bugs in Git/Gerrit from Jenkins Pipelines

Bristol-Myers Squibb   **New Brunswick, NJ**
Project Management Intern   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, in conjunction with third-party contractor companies
- 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

PROJECTS AND RESEARCH

Hotel Automation Android Application   **February 2019** - **May 2019**

- Developed an Android app by leading a 10 person team using Java in Android Studios to emulate the communication between guests and hotel staff, providing features such as check in, guest services, and feedback
- Designed a Google Firebase tree structure based on an Object Oriented Design, to store custom object types- such as staff objects, guest information objects, service request objects, and feedback information objects

Acceleration of Sparse Matrix Multiplication   **February 2019** - **May 2019**

- Under Professor Santosh Nagarakatte and Professor Richard Martin, created algorithms to multiply matrices in compressed sparse row (CSR) form in Go, and then introduced parallelism to these algorithms using Go Routines

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

ORGANIZATIONS & LEADERSHIP EXPERIENCE

Theta Tau, Professional Co-Ed Engineering Fraternity   **New Brunswick, NJ**
Vice President   April 2019 - Present

- Led a 40 person chapter to create and oversee 15+ functions (Retreats, Philanthropy, Professional Development Networking events) and 10+ committees to ensure organization, success and growth of the fraternity
- Coordinated with Chapter Advisor, Nationals, Office of Fraternity and Sorority Affairs to ensure annual requirements

Rutgers Engineering Governing Council   **New Brunswick, NJ**
Industry Relations Chair   May 2018 - Present

- Served as the primary liaison between companies such as Merck Pharmaceuticals, Northrop Grumman, and Bristol-Myers Squibb, and the Rutgers student body to set up information networking sessions on campus to connect students to STEM-related employment opportunities, with high ~60 student turn out for each event