Sean Joo

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EDUCATION

Purdue University - West Lafayette | **GPA: 3.75/4.0**
B.S. Candidate Computer Science, Minor in Mathematics | *August 2019 - May 2022*

Honors: Dean's List & Semester Honors, Jeanne P. Alessandro Foundation Scholarship, Presidential Award for Academic Excellence, AP Scholar, All-State Honors (Soccer), NPL National Champion
Relevant Coursework: Programming in C, Foundations Analysis, Discrete Mathematics, Linear Algebra
Fall 2020 Coursework: Computer Architecture, Data Structure and Algorithms, Introduction to Statistics
Campus Involvement: Purdue Cornerstone Christian Fellowship, Intramural Basketball & Volleyball

PERSONAL PROJECTS

Ant Colony Simulator Mobile Application | *Java, XML, HTML, CSS, Bootstrap*
- Published an android game on Google Play, using Firebase to implement Google Analytics, AdMob, and Crashlytics.
- Implemented saved preferences across app lifecycle, activities using intents, language localizations, dynamic backgrounds, git version control, alert dialogs, toggleable audio.
- Created a complementary mobile-friendly website using Bootstrap.

Airport Manager | *Java*
- Runs on a server and client to impersonate booking an airline ticket.
- Fully operating GUI to provide a responsive, realistic airline booking experience.
- Able to handle concurrency and accommodates for multiple bookings at the same time.

Reselling 101 on StockX | Java
- Utilized JSoup's library to complete the Web Scraping process on StockX.com
- Used StockX's database to extract the prices and statistics of shoes to help users make an educated decision on whether or not to sell their shoe.
- Written a ten-page research paper that goes in-depth about reselling for buyers and sellers.

PROFESSIONAL EXPERIENCE

Rutgers University - New Brunswick | **New Brunswick, NJ**
Research Intern | *July 2018 - August 2018*
- Collaborated with two other interns and a graduate student to research Parkinson's disease in the neuroscience department with Professor Eunsung Junn.
- Used databases to analyze DNA strands and discussed findings with the group.
- Created a presentation on our findings and wrote a paper reflecting on our experience at the end.

LEADERSHIP EXPERIENCE

Fast Break Basketball Association Inc | **East Brunswick, NJ**
Session Coordinator | *December 2015 - March 2019*
- Organized two 90 minute basketball practices for mentally and physically disabled kids every Saturday during a four month period.
- Helped organize the "Big Game" yearly, which is an official match broadcasted by EBTV.
- Offered insight to "pals", who are volunteers paired up with "buddies", the physically or mentally disabled kids, so the buddies can have a better experience.

Praise Presbyterian Church | **Somerset, NJ**
Missions Leader | *May 2018 - August 2018*
- Created every activity and helped create skits during VBS (Vacation Bible School).
- Evangelized and successfully brought 100+ children to VBS over the course of the week.
- Fundraised 90 soccer cleats prior through cleat drives in East Brunswick to donate to the kids.

TECHNICAL SKILLS, CERTIFICATIONS, & INTERESTS

Programming: Java, C, HTML/CSS, XML
Certifications: InsideSherpa JPMorgan Chase & Co. Software Engineering Virtual Experience
Interests: Sports, Fitness, Reselling