

# Sean Joo

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## OBJECTIVE

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Actively seeking 2020 Winter and 2021 Summer internship opportunities for software engineering.

## EDUCATION

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### Purdue University - West Lafayette

**GPA: 3.75/4.0**

*Bachelor of Science 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, All-State Honors (Soccer), National Premier League 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

## PROFESSIONAL EXPERIENCE

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### 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.

## PERSONAL PROJECTS

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### Reselling 101 on StockX - Java

*August 2020*

- 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.
- Authored a ten-page research paper that goes in-depth about reselling for buyers and sellers.

### Ant Colony Simulator - Java, XML, HTML, CSS, Bootstrap

*June 2020 - July 2020*

- Published an android game on the Google Play Store where users manage resources and defend their colony
- Added Firebase to monetize with AdMob and to analyze user experience with Google Analytics and Crashlytics
- Installed language localizations, activities, dynamic XML layouts, game mechanics, and a Bootstrap website

### Airport Manager- Java

*December 2019*

- Incorporated a server and client to mimic booking an airline ticket.
- Implemented a fully operating GUI to provide a responsive, realistic airline booking experience.
- Able to handle concurrency and accommodates for multiple bookings at the same time.

## TECHNICAL SKILLS & CERTIFICATIONS

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**Programming:** Java, C, HTML/CSS, XML

**Certifications:** InsideSherpa JPMorgan Chase & Co. Software Engineering Virtual Experience

## LEADERSHIP EXPERIENCE

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### Fast Break Basketball Association Inc - Session Coordinator

*December 2015 - March 2019*

- Organized two 90 minute basketball practices for mentally and physically disabled children every Saturday over a 4 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 - Missions Leader

*May 2018 - August 2018*

- Created every activity and helped create skits during VBS (Vacation Bible School).
- Evangelized and successfully recruited 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.