

# Sean Joo

East Brunswick, NJ 08816 | [joo21@purdue.edu](mailto:joo21@purdue.edu) | (732) 947-6388 | <https://github.com/seanjoo4>

## EDUCATION

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### Purdue University - West Lafayette

**GPA:**

**3.75/4.0** Bachelor of Science Candidate Computer Science, Minor in Mathematics  
May 2022

August 2019 -

**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

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### 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.

### Personal Portfolio

HTML, CSS

- Implemented HTML, CSS, JavaScript, & Bootstrap to showcase my lifestyle.
- Adjustable to any screen for a comfortable experience.

## 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.

## LEADERSHIP EXPERIENCE

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### 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

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

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

**Interests:** Sports, Fitness, Reselling