# Joshua Sen

## Personal Info

Address
3 Conrad Court
Montvale, NJ, 07645

Phone
551-427-1194

Email
senj@purdue.edu

LinkedIn
www.linkedin.com/in/senjoshua

GitHub
www.github.com/senjoshua

Portfolio Website
www.senjoshua.com

## Programming Languages

Java

C

C++

Python

JavaScript

HMTL & CSS

## Tools

IntelliJ, PyCharm

Android Studio

MS Visual Studio

Git

Node JS, Express

Flask

Firebase

Apache Ant, Tomcat, Maven, Logback

## Databases

SQL (Oracle, JDBC)

MongoDB

SQLite

## Operating Systems

Windows

Linux

## Objective

Seeking an internship that will allow me to utilize my problem solving skills and attention to detail to further develop my abilities in the field of computer science.

## Education

Purdue University – Grad. 2021

- GPA – 3.22/4.0
- Bachelor of Science in Computer Science
- Concentrations: Machine Intelligence, Security
- Certificate in Entrepreneurship and Innovation
- Relevant Coursework: Java, C & C++, Discrete Math, Computer Architecture, Data Structures & Algorithms, Systems Programming, Information Systems, Cryptography, Data Mining & Machine Learning, Calculus I-III, Linear Algebra, Statistics

## Work and Leadership Experience

UPS – Software Development Intern – Summer 2019
*world's largest package delivery company and leading global provider of specialized transportation and logistics services*

- Worked on Import Tracking application which is part of the UPS.com suite used by large UPS customers to upload and track multiple shipments via a CSV file
- Worked as apart of an Agile Development Team that used Scrum framework
- Migrated the build process for Apache Ant to Maven
- Ported the application from WebLogic to Apache Tomcat and replaced Log4j with Logback
- Refactored code to work with Tomcat project structure and libraries

nova IQ – Summer Internship 2018
*a specialist AI services company helping clients build their own AI capabilities*

- Worked on Machine Learning project to capture, record, and retrieve data from TensorFlow models during training and execution
- Designed and developed REST API using Flask to connect TensorFlow models to SQLite
- Built automated test scripts using Python unittest framework

Center for Education and Research Information Assurance and Security (CERIAS)

- Attended and participated in workshops and seminars related to cybersecurity

B01lers

- Participated in CTF (Capture the Flag) cybersecurity competitions

Purdue Hackers

- Participated in Hackathons: BoilerMake, VandyHacks, ArchHacks

Pascack Hills High School Technology Lab – Summers 2015-2017

- Configured, re-imaged, and updated all student and faculty laptops and set up school network

## Projects

Shell

- Developed a Unix shell in C, and C++ that implemented file redirection, pipes, signal handling, and built-in functions. Also included subshell, wildcard and tilde expansions.

HTTP Server

- Built a HTTP Server in C, and C++ which implemented Basic HTTP Authentication, and multiple concurrency modes using threads. Server also included the ability to browse directories, and run and load CGI modules.

Popcorn Time

- Created an website to help people keep track of TV shows and movies they are watching with Node JS. Node server handled authenticating users and requests. Hosted website using Firebase and used Firestore to store user data. Obtained data about TV Shows and Movies through IMDb API.

## Extra-Curricular Activities

- 4th Degree Black Belt in Tae Kwon Do from World Tae Kwon Do Federation
- Purdue Running Club