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

Qt

Flask

Databases

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 – 3.31/4.0
- Bachelor of Science in Computer Science
- Relevant Coursework: Java, C & C++ Programming, Discrete Math, Computer Architecture, Data Structures & Algorithms, Systems Programming, Calculus I-III, Linear Algebra, Statistics

Pascack Hills High School – Grad. 2017
- GPA – 4.4064/5.0
- National Honor Society, Honor Roll all four years, Scholar Athlete Award
- Relevant Coursework: AP Computer Science, AP Calculus, AP Physics C, Intro to Web Design

Work and Leadership Experience

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 database
- Built automated test scripts using Python unittest framework
- Project was developed in an agile development environment

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
- Set up and updated school network

Master Yoo's Summit Martial Arts
- Worked as a Tae Kwon Do instructor for 3 years training students

Projects

IRC Server and Client
- Developed a chat application in C, and C++. Server was written in C, and allowed for multiple chat rooms and multiple users. UI was implemented in Qt using C++ and allowed users to send messages, join and leave rooms, view users in each room, and create new rooms.

BikeLocater App
- Created an Android app using Android studio to help students locate where their bike is on campus. Implemented Google Maps API to get directions from the user's current location to the bike. Also used scanning QR codes as a means of storing location of bike racks.

Extra-Curricular Activities

- 4th Degree Black Belt in Tae Kwon Do from World Tae Kwon Do Federation
- Varsity Athlete in Soccer and Track and Field