



Jean-Daniel Sinkpon

Aspiring Software Engineer

Prospective Computer Science and Mathematics graduate with advanced skills in Computer Graphics and Network Programming seeking a career path in Software Development and all domains of forward-thinking technology.

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EDUCATION

B.S in Computer Science

University of Massachusetts Amherst

09/2020 - Present

Major GPA: 3.634

Courses

- Operating Systems
- Computer Graphics
- Algorithms
- Game Programming
- Web Programming
- Computer Systems
- Computer Networks
- Computer and Network Security

B.S in Mathematics, Mathematical Computing

University of Massachusetts Amherst

09/2020 - Present

Major GPA: 3.688

Courses

- Calculus
- Differential Equations
- Abstract Algebra
- Linear Algebra
- Scientific Computing
- Mathematical Modeling

TECHNICAL EXPERIENCE

Web Programming

Guided Project: Scrabble Game

03/2023 - 05/2023

Achievements

- Developed a Web-based Scrabble game using HTML and CSS for the overall look of the game on the front-end and JavaScript for the software programming on the back-end.
- Implemented a persistence to the Scrabble game so that the current match state would be saved even after a page reload.
- Devised a client-server functionality that allows the player to record and access their game results after completion using a back-end database in MongoDB.

Computer Networks

• Guided Project: TCP and UDP client server programs

10/2023 - 11/2023

Achievements

- Designed 2 client-server programs in Python that makes the server perform calculations for the client.
- Engineered the first program so that the client and server would use TCP sockets to establish a connection and communicate with each other while in the other program would use UDP sockets to exchange messages.
- Simulated the unreliable behavior of the UDP transport layer protocol by periodically dropping messages during message transmission from server to client.

SKILLS

Python

JavaScript

C++

Java

HTML

CSS

C#

Node.js

Unity

C

Wireshark

Assembly x86-32

LEADERSHIP EXPERIENCE

Co-leader of Web Programming Team Project (02/2023 - 05/2023)

- Assigned the duties of each team member aiming to take advantage of each other's strongest skills in terms of web development.
- Coordinated a bi-weekly in-person and virtual meeting, keeping track of each other's progress and recording difficulties so they could be addressed by the group.
- Performed the role of a mediator whenever there was a conflict of ideas.

HONOR AWARDS

Dean's List (09/2021 - 12/2021)

University of Massachusetts Amherst