

SHUBHANKAR VALIMBE

Buffalo, NY

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Education

University at Buffalo, The State University of New York

Expected May 2023

Bachelor of Science in Computer Science

Buffalo, NY

GPA: 3.53/4.00 Computer Science GPA: 3.56/4.00

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Computer Organization
- Statistics
- Systems Programming
- Web Applications
- Internet Technology
- Calculus

Relevant Projects

Dynamic Site | *Python, JavaScript, HTML*

September 2021

- Created a dynamic site where users can share content with each other while also maintaining strong line of defense against attacks.
- Implemented a TCP socket server and an HTTP server which parsed raw HTTP requests and sent back appropriate HTTP responses.
- Designed a chat feature that enables users to chat using their WebSocket connections and maintained a chat history using databases.

Buffalo Mapping | *Scala*

November 2020

- Processed OpenStreetMap map data for the City of Buffalo using Scala to produce driving directions between two locations.
- Loaded map data into XML format and computed it to build a graph of streets that form an intersection.
- Determined the shortest distance between two properties in Buffalo, using the graph, and provided driving directions to get between them.

Clicker Game | *Scala, JavaScript, HTML*

May 2021

- Developed a clicker game, where players can earn currency by clicking and spend it on equipment that increases the rate of currency collected.
- Utilized WebSockets to interact with players and Actors to manage each game concurrently.
- Utilized JavaScript and HTML host the game and a database for an auto-save function where players can log out and log back in at their previous checkpoint.

Experience

Ruffalo Noel Levitz

Sept 2020 – Present

Engagement Ambassador

Buffalo, NY

- Promoted campaigns and events to raise money and other kinds of donations for an organization by exhibiting social selling skills.
- Worked in a team environment to raise over \$500,000 for my university by communicating its mission and maintaining positive relationships with donors.
- Researched potential donors to gain insight into needs, beliefs and donation habits to understand how to position our organization to them.

Technical Skills

Proficient Languages: Python, Scala, JavaScript, C

Previous Experience: HTML/CSS, C++, Java

Developer Tools: Visual Studio, IntelliJ IDEA, Emacs, Jupyter, Repl.it, Anaconda

Technologies/Frameworks: GitHub, VMware Workstation

Leadership / Extracurricular

UB ACM [Association for Computing Machinery]

Fall 2021 – Present

Vice Chair

University at Buffalo

- Hosted organized biweekly HackNights where members participated in creating projects and worked towards set goals.
- Maintained a professional working relationship with ACM parent branch to ensure our chapter is in good standing.
- Oversaw progress in essential parts of the chapter and managed the Education and Audit Committee.