

Iain Tierney

Personal Website

github.com/IainT52 | iaintier@buffalo.edu

EDUCATION

UNIVERSITY AT BUFFALO

BUFFALO, NY | MAY 2022

BACHELOR OF SCIENCE

Major: Computer Science

Cum. GPA: 3.85 / 4.0

Major GPA: 3.95 / 4.0

Honors: Deans List

SOMERS HIGH SCHOOL

Somers, NY | Grad. June 2018

HS DIPLOMA

Honors: High Honor Roll

RELEVANT COURSES

UNDERGRADUATE

- Software Engineering
- Systems Programming
- Discrete Structures
- Data structures
- Computer Organization

WORK EXPERIENCE

UNIVERSITY AT BUFFALO

TEACHING ASSISTANT

Jan 2020 - Present | New York, NY

- Host lab sections and office hours as well as proctor exams.
- Reviewing computer science concepts taught in the classroom.
- Leading small groups to the completion of various programming assignments.

TOWN OF SOMERS

OFFICE CLERK

May 2019 – August 2019 | Somers, NY

- Sorted and stored data for the Town Parks and Recreation office
- Kept physical files and digitized records organized for easy updating and retrieval by authorized team members.
- Provided clerical support to company employees by copying, faxing and filing documents

TECHNICAL PROJECTS

SORTING VISUALIZER | [VIEW PROJECT](#)

September 2020

- A web app built with jQuery, CSS3, HTML5 to visualize various sorting algorithms.
- Enables the user to pause the visualization and adjust the speed of the visualization.

DYNAMIC MEMORY ALLOCATOR

[VIEW ON GITHUB](#)

April 2020

- An implementation of malloc(), calloc(), realloc(), and free().
- Uses the method of multi-pool allocation to fetch and store memory blocks from the operating system.
- Capable of running many single-threaded applications.

AUDIO VISUALIZER | [VIEW PROJECT](#)

August 2020

- A web app that integrates the Soundcloud API to visualize the frequency of audio tracks.
- Using JSON to talk to the Soundcloud API, a user can request a song and watch/listen in real time to the visualization.

PERSONAL WEBSITE | [VIEW WEBSITE](#)

Summer 2020

- Personal portfolio created with JS(ES6), jQuery, Bootstrap, CSS3, HTML5.
- Responsively designed and developed with UX and UI design in mind.

SKILLS

TECHNICAL SKILLS

Proficient with:

Python • C • Assembly(MIPS) • Scala
Java • Javascript • HTML5 • CSS3 •
JSON • Git • Agile(Scrum)

Familiar with:

MySQL • Flask • Bottle

SOFT SKILLS

Problem Solving • Leadership • Team Development