# Samuel Reed

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## EDUCATION

**Tufts University (Expected Graduation May 2025)**

*Bachelor of Science in Computer Science, Minor in Engineering Management*

- GPA: 3.77 / 4.0
- Relevant Coursework: Data Structures, Algorithms, Machine Structure and Assembly Language Programming
- Maintained Dean's List every semester

## RELEVANT SKILLS

- Programming Languages: C++, C, Javascript, PHP, jQuery, HTML/CSS
- Framework and Technologies: Node.js, Git
- Software Packages: Microsoft Office
- Databases: SQL / NoSQL, MongoDB

## EMPLOYMENT HISTORY

**Tufts University**                                        September 2022 - Present

*Course Assistant for CS20: Web Programming*

- Maintain weekly office hours to assist students with current assignments
- Grade weekly homework assignments, midterms and final projects and presentations
- Collaborate with TA team to respond to student questions on a discussion forum
- Develop debugging skills by troubleshooting and resolving technical issues encountered by students

**Harvard University**                                        June 2023 - August 2023

*Teaching Assistant for CSCI S-38: Introduction to C++ for Programmers*

- Developed effective communication and programming skills working with students in a virtual environment
- Maintained weekly Office Hours to assist with assignments over Zoom
- Collaborated with Teaching Staff through Zoom and Slack to grade weekly assignments and projects
- Responded to student questions on a discussion forum

**Shoreline Theater Academy**                                        2018 - Present

*Technical Director*

- Construct, program, and operate sound and lighting systems for theatrical performances
- Serve as sound designer and lighting designer for various productions

## PERSONAL PROJECTS

**Reed Family Light Show**

- Programmed and executed a synchronized holiday light show utilizing RGB pixels and custom controllers
- Constructed a computer network to sync individual controllers and a series of Raspberry Pis

**Nexus Films**

- Developed a movie-review web app that allows users to log in, search for, and review films
- Deployed Node.js to fetch film information from APIs and store reviews in MongoDB