Alana Sendlakowski

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EDUCATION

TUFTS UNIVERSITY SCHOOL OF ENGINEERING | Medford, MA

Bachelor of Science in Computer Science | Degree Expected 2025

GPA: 3.93/4.0 | Dean's List (all semesters) | AISES Chevron Scholarship | SAME Seattle Post College Scholarship | AISES A.T. Anderson Memorial Scholarship | NCWIT Award for Aspirations in Computing

Relevant Coursework: CS40-Machine Structures & Programming (C), CS160-Algorithms, CS121-Software Engineering (Java), CS20-Web Programming (HTML, CSS, JavaScript, PHP, SQL, NoSQL), CS15-Data Structure (C++), CS61-Discrete Math, ES4-Digital Logic Circuits (VHDL)

PROFESSIONAL EXPERIENCE

TUFTS DEPARTMENT OF COMPUTER SCIENCE

Course Assistant for CS15 Data Structures and Simple Robotics | September 2022—Present

- Debugged student C++ code during weekly office hours and through online questions
- Assessed and provided feedback on assignments and C++ code

UW OPTICAL SPINTRONICS AND SENSING LAB | Seattle, WA

University of Washington Undergraduate Researcher | June 2022—August 2022

- Presented research paper to undergraduate peers and graduate mentors at a journal club
- Collected data to create a research poster on elements needed for quantum computing

TUFTS CENTER FOR ENGINEERING EDUCATION AND OUTREACH

Event Planner and Web Programmer | February 2022—July 2022

- Collaborated with a partner to make an in-person experience interactive and online using HTML and CSS
- Planned and promoted the first Tufts University First-Year Engineering Design Challenge

SKILLS

- Programming Languages: C++, C, Java, HTML, CSS, JavaScript, Python, TypeScript, PHP, SQL
- Frameworks and Libraries: jQuery, React.js, NumPy
- Databases: MongoDB, NoSQL, MySQL

PROJECTS

Watchlist Website: Programmed website specific to family's needs using HTML, JavaScript, and movie database API

Weasley Clock: Built Harry Potter-based clock using GPS-dependent tracking, Python, and Arduino IDE platforms

Unity Game: Working to build narrative-driven exploration and puzzle game using Unity

ACTIVITIES

TUFTS JUMBOCODE

Web Developer | September 2023—Present

- Built a submission portal web app for a nonprofit which allows staff to access users' information
- Utilized GitHub, React, TypeScript, and MongoDB with a group of 10 to iterate on code

TUFTS TAP ENSEMBLE

Choreographer and Co-President, September 2021—Present

- Taught and created dance pieces for 24 other experienced dancers
- Organized and managed shows, rehearsals, and events for the group

TUFTS SOCIETY OF WOMEN ENGINEERS

Treasurer and Member, September 2021—Present

- Managed the club budget
- Planned events between clubs and provided networking opportunities for members