

EDUCATION

Bachelor of Science in Computer Science & Math

August 2022 - Present

Washington University in St. Louis (Graduation Expected May 2026)

St. Louis, MO

Relevant Coursework: Introduction to Computer Science, Data Structures and Algorithms, Logic and Discrete Mathematics, Introduction to Computer Engineering, Object Orientated Software Development Laboratory, Introduction to Parallel & Concurrent Programming, Introduction to Data Science

WORK / PROJECT EXPERIENCE

Virtual File System Simulator

November 2023

Project

St. Louis, MO

- Designed a program in C++ that simulates a virtual file environment that allowed operations such as deleting files, adding files, copy and pasting files.

Lavner Education

June 2023 - August 2023

Intern

Philadelphia, PA

- Served as a student teacher for weekly computer science summer camps for children ages 8-16
- Taught introductory Java modules to enable students to create their own text-based game using basic Java principles
- Taught Autodesk Fusion 360 and TinkerCad for 3D printing design. Modified the curriculum for advanced students
- Provided one-on-one tutoring and mentoring to develop students' engineering skills and capability

MAKERS of Change Assistive Technology Challenge

January - April 2021

An Incredible Hulk Game Team Member

Scottsdale, AZ

- Teamed with 4 students to develop a video game to help a child with cerebral palsy
- Designed the controller and storyboarded the game with consideration for the physical abilities of the child
- Won Best in Show at the MAKERS of Change Assistive Technology Challenge (Arizona state-wide competition)

Massachusetts General Hospital

June 2020

Co-Inventor

Boston, MA

- Co-designed a device to minimize aerosolization exposure during tracheostomy exchange; Department of Surgery
Invention No.: MGH2020-485

VOLUNTEER EXPERIENCE

Sigma Phi Epsilon MO Beta Chapter

September 2023 – Present

Vice President

St. Louis, MO

- Lead meetings and discuss strategies for recruitment of potential new members
- Organize events to collaborate with local charities and service clubs to raise money and awareness

Leaders In Interpersonal Violence Education (LIVE)

March 2023 – Present

Member

- Complete specialized training in interpersonal violence to enhance awareness and advocacy efforts.
- Facilitated educational sessions for student groups on preventing interpersonal violence.

SKILLS

- CAD (Rhino, Autodesk Fusion 360, TinkerCAD), Java, C++, Python, Problem Solving, Customer Service

AWARDS

- Hispanic Scholarship Fund Scholar, 2023
- Lowy scholarship
- College Board National Hispanic Recognition Program Scholar, 2021-2022