

# Joshua Venable

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<https://github.com/kiwifan1>

## **Education**

### **Bachelor of Science in Computer Science with Honors**

Double Concentration in Software Security and Data Science

Gonzaga University, Spokane, WA

Graduation Date: May 2025

**GPA: 3.94**

Selected for the Honors Program at Gonzaga University for Intellectual Achievement, Leadership skills, service, self-expression, curiosity, commitment, and resilience.

### **High School Diploma**

Tesla Stem High School, Redmond, WA

Graduation Date: June 2021

**GPA: 3.96**

## **Technical Skills**

Java, C++, Python,

OOP, Microsoft Office, Anaconda

Pandas, Numpy, Scikit-Learn

MYSQL, Git, GitHub

Network Basics, Linux, Data Structures VSCode

## **Engineering Experience**

### **Dental Identification System**

Nov. 2019 – Feb. 2020

Tesla Stem High School

- Researched and developed an algorithm that helps identify characteristics of a person based on dental patterns and bite marks for use in forensic research.
- Utilized Java programming to balance different characteristics in collaboration with professionals in the dental industry.

### **Sleep Headphones**

Nov. 2020 – June 2021

Tesla Stem High School

- Developed and engineered a pair of headphones designed to be comfortable while sleeping or lying in bed.
- Collaborated with sourcing companies to find scalable ways to bring product to market.

### **Scrubaway**

Sept. 2020 – June 2021

Tesla Stem High School

- Developed a new form of cleaning equipment that would eliminate the need for joint strain and increased versatility while in use
- Collaborated with 2 other team members to creatively tackle an ongoing issue in which the majority of time spent during the cooking process is spent cleaning.

## **Leadership Experience**

### **Lead Programmer**

Sept. 2017 - June 2018

- Led a team for the creation of the classic 'Hunt the Wumpus' game for a competition held by Microsoft
- Received 3<sup>rd</sup> place for implementation of our program out of 40 other teams from across the state.
- Collaborated on a team of 6 people working towards a single project, using workflow techniques through GitHub

### **Lead Researcher**

Sept. 2019 - March 2020

- Researched and developed a protocol for police to use in the field in Washington to minimize the use of force while encountering a mentally unwell person.
- Recipient of 3<sup>rd</sup> place for the Washington State Science and Engineering Fair (WSSEF) and the Central Sound Regional Science and Engineering Fair (CSRSEF)

### **Vice President**

Oct. 2019 – Apr. 2020

#### **Mental Health Awareness**

- Collaborated in leading a group of 8 to connect with schools from Washington to California
- Facilitated the connection of Mental health services to schools and communities from around the West Coast.
- Organized the production of services and educational events in schools.

### **Secretary**

Sept. 2017 – June 2018

- Worked in a team of 12 to organize and run meetings and develop fundraiser events.
- Communicated between groups to create school-led initiatives and programs.

## **Additional Experience**

### **Software Teaching Assistant**

Sept. 2022 – Present

#### **Gonzaga University | Spokane, WA**

- Assisted with the production of clean and clear code of students and peers. Tested, graded, and gave feedback of software for 29 students.
- Demonstrated ability to be flexible with time and with resources to help students in a timely manner

### **Team Member**

Sept. 2019 – Aug. 2022 (3 years)

#### **Chick-Fil-A | Kirkland, WA**

- Provided service in a fast-paced industry, utilizing teamwork and communication skills to resolve guest issues, and ensuring satisfaction.

## **Awards**

### **Holocaust Center for Humanity**

Feb 2020

- Awarded 3<sup>rd</sup> place in the Holocaust Center for Humanity's writing division content.
- Wrote of a Holocaust survivor and their story as an emotional retelling of their escape.

### **President's List**

Feb/May 2022

- Twice listed as being on the Gonzaga University's Presidents List for distinguished academic performance.

## **Student Affiliations**

Chess Club

Sept. 2021 – Present

Intramural Soccer

Oct. 2022 – Present