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Joshua Venable

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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,   Pandas, Numpy, Scikit-Learn
MYSQL, Git, GitHub   Network Basics, Linux,   Data Structures, VSCode

Engineering Experience

Running Application

Gonzaga University Hackathon   October 2022

- Implemented an Android Wear OS application for tracking running times as a 2-person group at the Gonzaga University Hackathon. Demonstrated an ability to work within a time constraint.

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 3rd 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 3rd 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 to students.
- Demonstrated ability to be flexible with time and with resources to help students in a timely manner.

Team Member   Sept. 2019 – Aug. 2022

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 3rd 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

- Listed three times as being on the Gonzaga University's Presidents List for distinguished academic performance.

Student Affiliations

Chess Club,   Intramural Soccer,   Cricket Club