

## Jonah Cole Biedermann

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<https://jonahportfolio.com/>

### EDUCATION

#### Bachelor of Science in Computer Science

Oregon State University • Corvallis, OR •  
June 2023

GPA: 3.83 out of 4.00

**Relevant Coursework:** Web Development, Mobile Development, Cyber Security, Scientific Visualization, Algorithms, Artificial Intelligence, Machine Learning, Linux

### RESEARCH/WORK EXPERIENCE

**Software Engineering Intern • Daimler Trucks •**  
*Portland, OR • June 2023 – Present*

- Developed comprehensive C# and .NET applications integrated with an SQL database for efficiently managing vehicle Service Repair Tickets (SRTs).

- Enabled seamless CRUD operations and facilitated diverse format exports.

- Leveraged tools like Visual Studio and SQL Server Management Studio to ensure efficient development and database management.

**Software Engineering Intern • Mosaic.Tech •**  
*San Diego, CA • March 2022 – September 2022*

- Managed asynchronous functions using C#, integrated Snowflake Data Warehouse with OAuth, and developed Angular-based front-end.

- Created UI automation frameworks and test scripts for in-house systems using Cypress, Cucumber, and Jenkins.

**Data Structures / Algorithms Teachers Assistant**  
*• Oregon State University • Corvallis, OR •*  
*June 2021 - December 2021*

- Provided programming assistance, graded assignments, and conducted supplementary study sessions.

#### Open-Sensing Lab Computer Science Lead •

*Open-Sensing Lab Oregon State University •*  
*Corvallis, OR • January 2021 - June 2021*

- Led a team in developing audio-visualization of MongoDB data using React, NodeJS, and Docker.

- Integrated Arduino-based sensor data via C programming, achieving seamless hardware-software interaction.

### VOLUNTEERING

**Alpha Epsilon Pi Fraternity 2019 – 2023**

- Held leadership roles including Vice President, driving a 40% increase in membership and organizing philanthropic events.

**Film Analysis Club 2021 – 2023**

- Co-founded and served as Director of Student Discipline, overseeing conflict resolution and event planning.

### PROJECTS

**College Capstone Project:** Led a team in creating an anomaly detection application using yolov5 and masked autoencoders.

**Personal Portfolio Website:** Developed a Threejs site in React with custom shaders and personal Blender assets.

**Home Server:** Hosted Nextcloud, Jellyfin, Photoprism, and more on Raspberry Pi 4 using Docker.

### SKILLS

**Proficient in:** JavaScript, Ruby, TypeScript, Node.js, React.js, SQL, HTML, CSS, MongoDB, Express.js, C++, C, Python, Java, Docker, Git, Cypress, Jenkins, Agile, Scrum, Kanban