Jonah Cole Biedermann

(541) 915-3843 • biedermj@oregonstate.edu • Corvallis, OR
https://www.linkedin.com/in/jonah-biedermann/ • https://github.com/jonah0502 • https://jonahportfolio.com/

EDUCATION

Oregon State University Corvallis, OR *Bachelor of Science in Computer Science*
June 2024 • GPA: 3.9 out of 4.00
• Dean's List, Honor Roll

RESEARCH/WORK EXPERIENCE

Computer Science Staff Project Lead • *Under Professor Chet Udell in Open-Sensing Lab* • *Corvallis, OR   February 2021 - June 2021*
 • Set up a web server using React, NodeJS, and Docker in order to add MQTT and MongoDB functionality to Loom.
• Maintained a MongoDB Database to collect and store data from Arduino sensors using C/C++
• I managed a team of volunteer engineers and used MaxMSP and NodeJS to make an Audio-visualization of MongoDB data.

Data Structures Teaching Assistant • *Under Professor Randy Scovil* • *Corvallis, OR June 2021 - August 2021*
• Held weekly office hours assisting students in debugging programs and answering course-related questions.
• Mastered the CS261 (Data Structures) material set in order to help students to the fullest.
• Graded 200+ students on programming assignments and gave feedback to ensure their success with future programming.
• Directed after school weekly study sessions to help students understand and learn difficult data structures and algorithms.

Lifeguard • *Mittleman Jewish Community Center* • *Hillsboro, OR June 2016 - August 2019*
• Explained and enforced facility regulations, policies, and procedures to patrons.
• Rescued swimmers in need of assistance.
• Demonstrated proper rescue techniques, including but not limited to, swimming rescues, First Aid, and CPR.
• Kept accurate records of incident reports, maintenance, and chemical testing.

ACTIVITIES

Alpha Epsilon Pi Fraternity *September 2019 - Current*
• Positions Held: Vice President, Philanthropy Chair, Sentinel, Scribe, Social Media Chair
• Successfully grew membership by roughly 50%
• Regularly volunteered at our local Hillel • Regularly served in food kitchens.
• Organized annual AE Puppies philanthropy which resulted in over $3000 going to the Corvallis Humane Society and many shelter dogs getting adopted.

Film Analysis Club *October 2021 – Current* • Co-founded a club in which I served as Director of Student Discipline. I was responsible for dealing with any conflict that rose between the members. I helped write the constitution, plan and market events, lead member discussions as well as help with logistics.

SKILLS
- C++ / C, Python, C#, R, HTML/CSS/Javascript (NodeJS, MongoDB, SQL)
- Web Development and Design, Algorithm Analysis, Game Development, Vector Calculus, Linear Algebra, Neural Network Fundamentals, Adobe Creative Cloud (Illustrator, Lightroom, Photoshop, etc.)