

Shaurya Gaur

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EDUCATION

- **Oregon State University Honors College** Corvallis, OR
Honors Bachelor of Science in Computer Science; GPA: 4.00 Sep. 2019 – Jun. 2023
 - **Major:** Computer Science (focus in Artificial Intelligence, Data Science), **Minors:** Mathematics, Business

WORK EXPERIENCE

- **eBay** Jun 2021 - Sep 2021
Software Engineering Intern Remote (COVID-19)
 - **Audience Platform:** Used React.js and RESTful APIs to create a scalable, 3-stage process for batch editing up to 50 audiences in parallel, increasing efficiency up to 50x for platform users.
- **Computer Science Department, Oregon State University** Jan 2020 - Present
Teaching Assistant (Intro to CS, Data Structures, Web Development) Corvallis, OR
 - **Duties:** Support 200+ students understand programming languages and skills in recitations, office hours, and grading sessions for 10-15 hours weekly.

RESEARCH EXPERIENCE

- **Human Computer Interaction Institute, Carnegie Mellon University** Jun 2020 - Aug 2020
Summer Research Intern Remote (COVID-19)
 - **Duties:** Developed and user-tested a website w/ React.js and D3.js to help Wikipedia editors visualize the ORES API, a machine learning service that examines 160,000+ daily edits.
 - **Publication:** Z. Ye, X. Yuan, **S. Gaur**, A. Halfaker, J. Forlizzi, H. Zhu. "Wikipedia ORES Explorer: Visualizing Trade-offs For Designing Applications With Machine Learning API" in *Designing Interactive Systems (DIS)*, pp. 1554–1565, ACM, 2021.
 - **Live Project:** ORES Explorer website (<https://cmu-wikipedia.github.io/ores-viz/>)
- **Soundbendor Lab, Oregon State University** Nov 2019 - Present
Machine Learning Research Assistant Corvallis, OR
 - **Duties:** Created an algorithm using the K-Nearest-Neighbors (KNN) machine learning model and the Arousal-Valence space to create emotionally dynamic music playlists, utilizing a dataset of 18,000 songs.
 - **Presentations:** "Productivity Playlist: Interpolating a Musical Path Between Emotions using a KNN Algorithm" **Poster** - 2021 OSU Engineering Virtual Expo, 2021 National Conference of Undergraduate Research (NCUR), 2020 OSU Summer Undergraduate Research Symposium (SURS), 2020 NCUR (Canceled due to COVID-19)
 - **Live Project:** Productivity Playlist (<https://shaurgaur.pythonanywhere.com/playlist>)

ACTIVITIES

- **Association for Computing Machinery (ACM)** Oregon State University
Member, Chapter President (2020-2021), Vice President (2021-2022) Oct 2019 - Present
 - **Event Organization and Leadership:** Organized and led 34 weekly meetings to foster a love of computer science and explore technical interview questions and algorithms for a community of 120+ undergraduate students.
 - **Competitive Programming:** Placed 1st in Division I in Oregon at the 2020 ACM ICPC, and 7th out of 60 Oregon State University students at the 2020 Lucid Programming Competition.
- **Benton County Emergency Operations Center** Corvallis, OR
COVID-19 Vaccine Clinic Volunteer Feb 2021 - Jun 2021
 - **Duties:** Spent 64 hours disinfecting contact surfaces, managing entry, checking temperature, and performing other volunteer duties for a clinic that administered 75,000 COVID-19 vaccinations while being a full-time student.

PROGRAMMING SKILLS

- **Languages:** C, C++, C#, Java, Python, HTML, CSS, Sass, JavaScript, SQL, Haskell, Rust, Prolog
- **Tools:** TensorFlow, Scikit-Learn, Pandas, Git, React.js, Node.js, Flask, MySQL, REST, JIRA