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Education **M.S. in Computer Science** September 2021 – June 2024
H.B.S. in Computer Science - Machine Learning Engineering September 2019 – June 2022
Oregon State University Corvallis, Oregon
GPA: 3.83 Class Standing: Senior

Research **Analysis of Social Media Discourse for the Prediction of Song Emotion**
SoundBendOr Lab September 2019 – Present

- **Advisor:** Dr. Patrick Donnelly
- Built machine learning models to predict music emotion using online conversations.
- Developed social media web scraping systems to collect user discourse on songs.
- Applied state of the art NLP techniques like BERT for predicting affective values.

Internships **Student Consultant** Bend, Oregon
OSU-Cascades CoLab June 2019 - March 2020

- Actualized workflow solutions for video production in a startup incubator.
- Visualized real-time air quality data for news broadcast - integrated with BARON weather technologies.
- Oversaw procurement of equipment and management of \$10,000 university grant.
- Provided UAV film & videography services to non-profits and public clients across Central Oregon.

Volunteering **Field Technical Advisor; Mentor** Bend, Oregon
Central Oregon FIRST Tech Challenge December 2018 - February 2020

- Provided troubleshooting support to 6-8th grade robotics teams during six regional competitions.
- Oversaw venue operations, network access, event livestream, and device management.
- Instructed middle-school students on programming fundamentals, electronics, and leadership.

Conferences **National Conference on Undergraduate Research** April 2021
"Semantic Analysis of Social Media Conversations on Music for the Prediction of a Song's Emotion."

Oregon State - Celebrating Undergraduate Excellence May 2021
"Predicting Music Emotion with Social Media Discourse"

Skills **Programming Languages and Frameworks**
Proficient in: Python, Java, Ruby, C/C++, TensorFlow, Pandas, Git
Familiar with: Rails, Flask, Rust, SQL, OpenGL, *LaTeX*
