

# Sally Bass

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Intelligent and motivated Deep Learning Researcher with a passion for solving novel, data-driven problems seeking full-time employment post-graduation.

## Education

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<b>MS, Computer Science</b>	<b>Western Washington University</b>	<b>Dec 2022</b>
<ul style="list-style-type: none"><li>- Participated in Fast Track Master's Program.</li><li>- Research Focus: Deep Learning with CNNs for Image Classification.</li><li>- GPA: 3.43</li></ul>		
<b>BS, Computer Science</b>	<b>Western Washington University</b>	<b>Jun 2020</b>
<ul style="list-style-type: none"><li>- Minor in Linguistics.</li><li>- Graduated with Computer Science Honors.</li><li>- GPA: 3.36</li></ul>		

## Professional Experience

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### *Deep Learning Research Assistant*

*Apr 2019 - present*

**Western Washington University:** Remote/In-Person Employment,

- Collaborated on research projects, each consisting of 2-4 people, involving audio and image data used in training novel deep learning models such as Convolutional Neural Networks and Transformer variations.
- Collected and processed audio data for research projects using Audacity.
- Supervised a team of undergraduate students in training novel deep learning models on star time-sequence image data with the goal of accurately classifying stars and calculating their periodicity.
- Implemented a collate function for the data-loader to pad the sample sequence lengths to the max length in each batch, as well as integrated multiple different loss and accuracy functions.
- Composed detailed documentation on the model for future reference and project onboarding.
- Presented research progress updates at weekly status meetings and attended weekly reading groups focused on reviewing new deep learning research papers.

### *Computer Science Graduate Teaching Assistant*

*Sep 2021 - present*

**Western Washington University:** Remote/In-Person Employment,

- Directed multiple lab sessions, consisting of 20-30 students per section each quarter, and coached students through coding problems, syntax errors, and proper coding conventions in languages such as Python, C, Java, and Racket.
- Presented mini lectures on different coding concepts and principles.
- Graded weekly labs, quizzes and assignments, providing helpful feedback for students through detailed comments.

### *Computer Science Tutor*

*Sep 2020 - June 2021*

**Western Washington University:** Remote Employment,

- Worked alone or in pairs to help guide students through coding problems, syntax errors, and proper coding conventions in languages such as Python, C, Java, and Racket.
- Tutored 4-6 students during each 3 hour tutoring session over Zoom; Students would submit help tickets and tutors would be assigned to each student as they became available.

## Skills

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**Coding Languages:** Python (4+ years), Java (3+ years), C (3+ years), Racket, SQL

**Frameworks:** PyTorch, PyTorch Lightning, Hydra, Weights & Biases, HTCondor, SKLearn, NumPy, TensorFlow

**Related Coursework:** Machine & Deep Learning, Natural Language Processing, Transformers for Audio Data, Cloud Computing

**Other:** Linux, Windows 10, MacOS, Vim, GitHub, AWS, Zoom, Linear Algebra, Statistics, Calculus