



# Brooklyn Ballard

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## SUMMARY

Current Computer Science student actively engaged in hands-on machine learning projects. Proficient in Python and experienced with frameworks like PyTorch, TensorFlow, and scikit-learn. Demonstrated expertise in processing and analyzing large datasets, with an ability to develop innovative modeling strategies. Skilled in structuring experiments that yield actionable insights, focusing on continuous improvement in data workflows for complex problem-solving. Eager to contribute to a collaborative team at WaveTech Innovations and drive success in advanced AI systems development.

## EDUCATION

### Bachelor of Science in Computer Science

University of Washington GPA: 3.8

2026

Seattle, WA

*Coursework: Data Structures, Machine Learning, Software Development, Database Management*

## TECHNICAL SKILLS

- **Machine Learning Frameworks:** PyTorch, TensorFlow, scikit-learn
- **Data Processing Tools:** Pandas, NumPy, SciPy
- **Programming Languages:** Python
- **Visualization Tools:** Matplotlib, Seaborn, Plotly
- **Version Control Systems:** Git, GitHub, Bitbucket
- **Continuous Integration:** Jenkins, Travis CI, CircleCI
- **Experiments Platforms:** Google Colab, Jupyter Notebook, Kaggle Kernels
- **Cloud Computing Services:** AWS, Azure, Google Cloud
- **Project Management Tools:** Trello, Asana, Notion
- **Development Methodologies:** Agile, Scrum, Kanban

## SKILLS

- Python
- Data Analysis
- Predictive Modeling
- Data Visualization
- TensorFlow
- Machine Learning
- Quality Validation
- Statistical Analysis
- PyTorch
- Documentation
- Data Workflow Optimization
- Algorithm Development
- scikit-learn
- Signal Processing
- Experiment Design
- Research Documentation

## EXPERIENCE

### Machine Learning Intern

January 2026 – Present

University Project

Seattle, WA

Focused on machine learning initiatives within academic settings, supporting predictive modeling efforts by managing dataset quality and structure. Engaged directly with real-time deployment data to create effective modeling strategies demanded by ongoing research.

- Processed large-scale audio and time-series datasets, preparing them for predictive analysis.
- Aligned dataset outputs with ground truth, validating accuracy to enhance model effectiveness.
- Developed multiple modeling strategies aiming to facilitate predictive maintenance within available resources.
- Executed structured experimental designs, detailing methodologies that resulted in strategic insights.
- Optimized data workflows, pioneering efforts that improved evaluation pipeline efficiencies.
- Compiled documentation supporting findings to bolster academic and practical understanding.

### Data Analyst Intern

September 2025 – December 2025

Student Lab

Seattle, WA

Collaborative environment leveraging analytical techniques to improve understands of complex data structures. Developed skills through hands-on experiences while working closely with peers to achieve project objectives.

- Collaborated on ensemble analysis of comprehensive datasets utilizing both Python and visualization tools.
- Conducted exploration to identify patterns, leading discussions about impactful findings with team.

- Assisted in crafting machine learning models employing TensorFlow as well as other leading frameworks.
- Participated actively in peer reviews which fortified knowledge around signal processing phenomena.
- Contributed to creation of documentation portraying academic results, showcasing team achievements.
- Engaged in progress meetings which elevated team communication and alignment on end goals.

## LEADERSHIP & AWARDS

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- Dean's List, University of Washington, 2025
- Winner, University AI Hackathon, 2025

## CERTIFICATIONS

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- Google Data Analytics Certificate 📅 2025
- Coursera Machine Learning Specialization 📅 2026

## PROFESSIONAL AFFILIATIONS

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- Member, Computer Science Club, 2024 – Present
- Volunteer, Local Coding Bootcamp, 2025

## LANGUAGES

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- English (Native)

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST