

# Finn Robles

## Machine Learning Engineer Intern

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### SUMMARY

Dedicated PhD candidate in Computer Science with practical experience in machine learning and data-savvy analytics. Expertise includes crafting innovative algorithms aimed at enhancing e-commerce systems through effective recommendations. Combines proficiency in natural language processing and computer vision, consistently boosting user engagement via real-time insights. Eager to apply extensive technical knowledge while collaborating with cross-functional teams, focusing on advanced datasets and interactive methodologies. Recent successful projects demonstrate ability to yield actionable strategies that prioritize business growth.

### EDUCATION

#### PhD in Computer Science

University of Washington 🎓 GPA: 4.0 📅 2026 📍 Seattle, WA

*Coursework: Machine Learning, Data Analysis, Algorithms, Computer Vision*

### TECHNICAL SKILLS

- **Programming Languages:** Python, R, C++
- **Machine Learning Frameworks:** TensorFlow, PyTorch, Scikit-Learn
- **Data Manipulation Tools:** Pandas, NumPy, SQL
- **Version Control Systems:** Git, GitHub
- **Cloud Platforms:** AWS, Google Cloud, Azure
- **Data Visualization Tools:** Matplotlib, Seaborn, Tableau
- **APIs and Web Services:** RESTful APIs, GraphQL
- **Statistical Analysis Software:** SPSS, SAS, Excel
- **Deployment Tools:** Docker, Kubernetes
- **Project Management Tools:** JIRA, Confluence, Asana

### SKILLS

- Machine Learning
- Python
- Natural Language Processing
- Big Data Engineering
- Data Analysis
- TensorFlow
- Computer Vision
- Algorithm Design

### EXPERIENCE

#### Machine Learning Research Assistant

University Research Lab 📅 September 2024 - Present 📍 Seattle, WA

Contributed significantly as a Machine Learning Research Assistant, focusing on delivering high-quality solutions to optimize e-commerce recommendation models. Conducted complex data analyses to identify consumer behavior patterns while employing cutting-edge machine learning techniques.

- Engineered and optimized machine learning algorithms, leading to a 15% boost in user engagement within online sales.
- Employed Python and TensorFlow for predictive modeling, enhancing accuracy and reliability in consumer data insights.
- Collaborated effectively with researchers to leverage natural language processing for improved product searches and discovery.
- Developed robust infrastructure for real-time data handling, achieving a notable reduction in latency during peak traffic.
- Presented findings across multiple academic settings, earning recognition for forward-thinking approaches in machine learning applications.
- Assisted in preparing documentation for submitted peer-reviewed journals, enriching scientific communication efforts.

#### Capstone Project Developer

Academic Project 📅 January 2024 - June 2024 📍 Seattle, WA

Led a capstone project focused on the development of an innovative platform utilizing machine learning technologies to elevate e-commerce workflows. This role allowed for direct application of big data engineering practices to drive insights from extensive datasets.

- Spearheaded team initiatives, culminating in a machine-learning enhanced suite analyzing customer interactions.
- Applied skills in big data engineering, allowing extraction of strategic insights crucial for marketing decisions.
- Facilitated the integration of advanced computer vision capabilities for heightened product image recognition accuracy.
- Organized real-world testing sessions, collecting valuable user feedback that informed model refinements.
- Drafted comprehensive reports summarizing project methodologies and successes alongside challenges encountered.
- Conducted knowledge-sharing workshops promoting machine learning methods among peers.

## LEADERSHIP & AWARDS

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- Dean's List, University of Washington, 2024
- Best Paper Award, International Conference on Machine Learning, 2025

## CERTIFICATIONS

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- Machine Learning Specialization 📅 2026
- Data Science Professional Certificate 📅 2026

## PROFESSIONAL AFFILIATIONS

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- Member, Data Science Society, University of Washington
- Volunteer, Coding for Kids Program, Seattle

## LANGUAGES

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- English (Native) • Spanish (Proficient)

## 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