



Finn Robles

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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

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

CERTIFICATIONS

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

PROFESSIONAL AFFILIATIONS

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

LANGUAGES

- English (Native) • Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST