

# BENNETT FRANCO

## SOFTWARE ENGINEER, ML PLATFORM INTERNSHIP

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### STRENGTHS

**Collaboration Skills**  
Fostered productive partnerships across technical teams, often bridging gaps between developers and analysts. Communicating openly creates cohesive project environments.

**Analytical Approach**  
Utilizes analytical methods in ML to dissect complex datasets. This strategic mindset enhances accuracy in model predictions while facilitating insightful analyses.

**Integrative Solutions**  
Joined efforts to integrate automated testing with development processes. This alignment not only saved time but also fortified system integrity.

**Creative Problem-Solving**  
Face challenges head-on by rethinking conventional solutions. Encouraging open dialogue spurs creative commitments from teams, leading to innovative breakthroughs.

**Effective Communication**  
Consistent engagement in technical discussions cultivates an environment of knowledge-sharing. Regular updates keep all parties informed and aligned on objectives.

### SKILLS

Machine Learning Python PyTorch

Docker Kubernetes

Data Processing AWS

Technical Writing Software Design

Performance Evaluation

### SUMMARY

Results-driven Software Engineer specializing in machine learning and software development. Over three years' experience crafting innovative ML solutions for real-world challenges. Commitment shines through a track record of building efficient systems that deliver peak performance. Engagement with teams fosters collaboration, enriching projects aimed at enhancing both technology and product efficiency. Eager to contribute to impactful progress within the transformational ML infrastructure landscape, ensuring integrations are seamless and reliable. Anticipating opportunities to learn while supporting high-quality ML models from concept through production deployment.

### EDUCATION

#### Bachelor's Degree in Computer Science

University of Washington | GPA: 3.8 | 2023 | Seattle, WA

**Coursework:** Data Structures, Machine Learning, Data Analysis, Algorithm Design

### TECHNICAL SKILLS

- Programming Languages:** Python, C++, Java
- ML Frameworks:** PyTorch, TensorFlow, Scikit-Learn
- Cloud Platforms:** AWS, GCP, Azure
- Containerization Tools:** Docker, Kubernetes
- Version Control:** Git, Subversion, Mercurial
- Data Processing:** Apache Airflow, Dask, Spark
- Evaluation Methods:** Benchmarking, Testing, Prototyping
- Deployment Frameworks:** Flask, FastAPI, Django
- Automation Tools:** Terraform, Ansible, Jenkins
- Research Tools:** Jupyter, MATLAB, R

### EXPERIENCE

#### Machine Learning Engineer

Data Systems Inc. | January 2024 - Present | Los Angeles, CA

Focused on advancing machine learning capabilities that drive data analysis and predictive accuracy. Collaborated with diverse teams to optimize processes addressing critical infrastructural needs and boost overall efficiency.

- Developed and optimized machine learning models for predictive analytics, improving accuracy substantially.
- Collaborated with data scientists to design and implement data processing pipelines using Apache Airflow.
- Enhanced model deployment processes through integration with Docker and Kubernetes, reducing deployment time dramatically.
- Conducted extensive performance evaluations and benchmarking on ML models to ensure reliability in production.

#### Software Engineer

NextGen Tech Solutions | June 2022 - December 2023 | Austin, TX

Key player in crafting scalable ML infrastructure tailored for large datasets. Spearheaded initiatives that increased data processing efficiency, providing robust frameworks for analysis and insights.

Distributed Training

Cloud Infrastructure

Version Control Benchmarking

Experimentation Robotics

## LANGUAGES

English Native

Spanish Intermediate

## MY CAREER



● Machine Learning Engineer at Data Systems Inc. (2.4 Years)

● Software Engineer at NextGen Tech Solutions (1.5 Years)

● Software Development Intern at Cloud Innovations (11 Months)

- Designed and maintained scalable ML infrastructure for processing large datasets, significantly increasing efficiency.
- Built and deployed applications utilizing Python and PyTorch for real-time data analysis.
- Engaged with cross-functional teams to gather requirements, translating them into actionable technical specifications.
- Conducted presentations showcasing machine learning methodologies and project outcomes to diverse stakeholders.

## Software Development Intern

Cloud Innovations 📅 June 2021 - May 2022 📍 Chicago, IL

Contributed to cloud-based ML applications through hands-on experience with AWS, delivering valuable insights into operational processes and software design.

- Assisted in developing cloud-based ML applications, gaining practical exposure to AWS services.
- Created scripts automating data collection and preprocessing tasks, enhancing readiness for analysis.
- Participated actively in code reviews, contributing valuable inputs to documentation regarding software design.

## PROJECTS

### Development of ML Infrastructure 📅 May 2023

Led an initiative to revamp machine learning infrastructure, resulting in improved scalability and efficiency across multiple projects. Engaged with multi-disciplinary teams, shared insights, and integrated user feedback for continuous system enhancement.

### Behavioral Analysis Framework 📅 December 2022

Developed a comprehensive framework focusing on modeling human behavior data for automated driving tests, merging advanced ML techniques with human factors research. This integration reinforced the focus on safety and performance evaluation.

## LEADERSHIP & AWARDS

- Recognized as Employee of the Month at Data Systems Inc., highlighting significant contributions to team projects.
- Achieved Best Internship Project Presentation at Cloud Innovations, demonstrating excellence in project execution and communication skills.

## CERTIFICATIONS

- AWS Certified Solutions Architect – Associate 📅 2025
- Certified Kubernetes Administrator 📅 2025

## PROFESSIONAL AFFILIATIONS

- Active member of the IEEE Computer Society, engaging with peers on projects and current trends in tech.
- Participated in local hackathons, fostering innovation and problem-solving skills through collaborative coding challenges.

## ADDITIONAL INFORMATION

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

## REFERENCES

AVAILABLE ON REQUEST