

Bennett Franco

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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

2023

University of Washington GPA: 3.8

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

SKILLS

- Machine Learning
- Python
- PyTorch
- Docker
- Kubernetes
- Data Processing
- AWS
- Technical Writing
- Software Design
- Performance Evaluation
- Distributed Training
- Cloud Infrastructure
- Version Control
- Benchmarking
- Experimentation
- Robotics

EXPERIENCE

Machine Learning Engineer

January 2024 - Present

Data Systems Inc.

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

June 2022 - December 2023

NextGen Tech Solutions

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.

- 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

June 2021 - May 2022

Cloud Innovations

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.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST