

## Brandon Lefore

Machine Learning Solution Architect  
205 NE Ione St. Camas Washington 98607

### Professional Experience

Nivalta.com - Personalized Health Management May 2024-Present **Founding Engineer**

- AI Engineering
  - Architected document digitization and retrieval system using Google Cloud OCR and Vertex AI
  - Developed RAG system with ANN for enhanced context-aware search and processing
  - Established LLMops monitoring framework for pipeline optimization
- Infrastructure Engineering
  - Designed and deployed AWS infrastructure using CloudFormation and ECS Fargate
  - Implemented secure network architecture with isolated VPCs and load balancing
  - Managed AWS services including RDS, Secrets Manager, and ElastiCache
- Full Stack Web Development
  - Built Flask-based REST API with comprehensive security measures
  - Built React frontend to interact with API in a UX friendly way

Abacus.ai – AI as a Service - End to End AI Platform February 2020-February 2024 **Lead AI Solution Architect and Client Delivery**

- Client for Automated Legal Assistant
  - Led discussions with C-suite stakeholders to identify core problems and possible solutions
  - Educated nontechnical stakeholders on technological capabilities, managing product expectations
  - Led weekly meetings to showcase progress and address customer concerns
  - Leveraged RAG based techniques in order to provided context to a custom ChatBot
- Client for Consumer PC Forecasting
  - Worked with upper level champion to win technical sale at VP level
  - Produced and presented slide decks to demonstrate teams efforts and progress
  - Interpreted customer feedback to define new feature road maps to develop final solution
  - Upsold customer to expand modeling across product lines and sales regions
  - Created end to end ML pipelines to ingest new data and output updated predictions
- Developer Advocacy
  - Presented a sophisticated machine learning platform to global audiences
  - Educated both technical and nontechnical audiences on ML fundamentals and how to apply them on Abacus' platform
  - Provided personalised customer enablement sessions to demonstrate platform ease of use
  - Founded customer success and enablement team, managing two additional members
  - Created original content and scripts for team to showcase product capabilities

Energous Corporation – Wireless Charging over Radio Frequency November 2018-January 2020 **Automation Engineer**

- Programmed automated 3D space robots to coordinate with testing equipment and firmware
- Increased testing capacity from 3 stations to 7 through standardization of testing stations
- Invented vacuum based robot system to reduce testing equipment interference

## **Education**

Washington and Lee University – B.S. Computer Science 2018 **Varsity Wrestling**

- 2016 NWCA Scholar All-American