

## SUMMARY

Dynamic and results-oriented Computer Scientist with deep expertise in **software development**, **machine learning**, and analytics. Excels in team collaboration, driving innovation and project success. Proven leadership in fostering strong relationships and a growth mindset. Committed to merging **technical skills with business insights** for optimal outcomes.

## EDUCATION

### University of Washington, WA, USA

Anticipated June 2026

- B.S., Computer Science
- Minor, Entrepreneurship & Business Administration
- Relevant Coursework – AI (Python), Software Design (TypeScript & JavaScript), Data Structures and Parallelism (Java), Hardware/Software Interface (C), Foundations of Computing I & II (Theory), Computer Programming II & III (Java), Calculus Series, Entrepreneurship, Accounting, Statistics

*Dean's List Academic Achievement Award*

## PROFESSIONAL EXPERIENCE

### ML Software Engineering Intern, Amazon

(June '24 – September '24)

- Engineered and launched an AI chatbot delivering real-time machine insights and operational data, empowering decision-making and boosting personnel productivity by **~6%** at Amazon Shipment Facilities
- Built a custom LLM via Amazon Bedrock, integrating RAGs, LangChain, and advanced prompt engineering to handle **5,000+** machine-related queries across **10+** extensive documents
- Developed an LLM that can provide instant real-time insights for **700+** machines through a text-to-SQL approach
- Created a data visualization tool, leveraging NLP and Text-to-SQL, that can generate real-time interactive dashboards for **700+** machines across **15** parameters
- Authored and presented a white paper on these initiatives to senior leadership, driving operational improvements

### Undergraduate Researcher, NOISE Electrical & Computer Engineering Lab University of Washington, WA

(November '23 – April '24)

- Led AI/ML research, focusing on machine vision, optical encoding to enhance data interpretation, speed, & precision
- Collaborated with faculty & graduate students on pioneering optical methods to boost machine learning computations
- Developed and implemented 2 major models for optical processing using PyTorch and TensorFlow in Python, improving classification accuracy by **~15%**

### Software Engineering Intern, Biz3Tech IT Consulting Services

(September '22 – June '23)

- Developed ML models for talent screening in an app using Google's T5 and NLP, achieving **~85% CSAT** for 200+ daily candidates, utilizing Amazon SageMaker, AWS, and Python
- Revamped commission systems and package configurations, impacting **1M+ users** (Java, C#, C++, Python, CSS)
- Created a CRM system, managing **300+ clients**, improved staff engagement with a Notion interface for 50 members
- Drove project initiatives, with local IT firms, creating 15+ jobs; Earned "**Intern of the Year**" award in 2021, 2022

### Business Analytics Intern, Biz3Tech IT Consulting Services

(March '22 – August '22)

- Analyzed market trends, opportunities, created & delivered executive dashboards, enabling data driven decisions
- Leveraged predictive modeling & competitive analysis, delivered **~8% cost reduction** for a \$10M+ account
- Improved forecasting **accuracy by 15%** for 20+ business partnerships using Excel, data cubes for financial analysis

## LEADERSHIP & ACCOMPLISHMENTS

- Coached 50+ college students as the Head of Professional Development in a UW business club
- As President, led the 100+ member Science Olympiad & FBLA chapters, managing all club operations and members
- Created and proposed a ML-based watch targeting obesity to district leaders and ex-Xbox Chief Robert Bach
- Chess National Winner, placing 4<sup>th</sup> and 5<sup>th</sup> place in a U.S. National Competition

## SKILLS & COMPETENCIES

- **Programming Languages** | Java, Python, JavaScript, TypeScript, C, C#, R, HTML, SQL, MATLAB, CSS
- **Development Tools** | Visual Studio, Git, VIM, R Studio, Access, AWS, Adobe Suite, CUDA, IntelliJ, Boto3
- **Machine Learning & AI** | PyTorch, Tensor Flow, SageMaker, T5, NLP, AWS Bedrock, RAGs, LangChain