

Niko Pham

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SUMMARY

Passionate Applied Machine Learning Engineer eager to contribute skills in modeling and production engineering at Innovative Tech Solutions. Over four years harnessing strong Python and ML expertise to develop tailored predictive models, collaborating closely with teams for success. Proficient in deploying production-grade ML systems using GCP tools. Emphasizing team engagement, contributing to operational efficiency within the healthcare sector. Ready to tackle business challenges by implementing Generative AI solutions and maintaining best practices across roles. A continuous learner dedicated to driving impactful tech-driven results.

EXPERIENCE

Machine Learning Engineer June 2023 - Present
Cloud Innovations Inc. *Chicago, IL*

Lead role in developing sophisticated machine learning models within a healthcare environment. Collaborate with cross-functional teams to ensure optimal product deployment meeting project requirements and timelines.

- Collab with IT and Platform Engineering teams for dependable model performance.
- Spearhead design and implementation of predictive algorithms addressing complex challenges.
- Conduct experiments focusing on feature engineering, enhancing overall model accuracy.
- Promote cloud-native solutions aligning with industry standards.

Junior Machine Learning Engineer July 2021 - May 2023
Tech Solutions Group *Naperville, IL*

Supported various ML projects aimed at solving intricate business problems. Worked hand-in-hand with senior colleagues to refine processes and enhance machine learning deployments.

- Assisted in improving accuracy through thorough data preprocessing techniques.
- Collaborated in an agile environment ensuring timely project deliveries.
- Integrated APIs enabling seamless function of deployed ML solutions.
- Contributed ideas towards scalable, efficient machine learning infrastructure.

Intern - Data Analyst January 2020 - June 2021
Data Science Labs *Peoria, IL*

Engaged in client-focused projects involving extensive data analysis. Gained valuable experience in collecting, interpreting, and visualizing data to influence decision-making.

- Performed exploratory data analysis revealing key trends and patterns.
- Developed initial models that served as foundational steps for larger projects.
- Utilized visualization tools to present findings to stakeholders.
- Supported cross-team collaboration resulting in actionable insights for clients.

PROJECTS

Healthcare Predictive Analytics Model 📅 February 2023

Developed a machine learning model predicting patient outcomes by analyzing immense datasets leveraging Google Cloud. Improved treatment response time significantly, contributing to enhanced patient care quality.

Generative AI Deployment Initiative 📅 November 2022

Played integral role in deploying generative AI capabilities, resulting in faster response times for clinical inquiries. Streamlined processes fundamentally changing how data was utilized in real-time applications.

LEADERSHIP & AWARDS

- Achieved Employee of the Month for exceptional project delivery in March 2024.
- Recognized by management for leading a successful software migration initiative in December 2023.

EDUCATION

Bachelor's Degree in Computer Science 2019

University of Illinois GPA: 3.8 *Champaign, IL*

Coursework: Data Structures, Machine Learning, Cloud Computing, Algorithms

CERTIFICATIONS

- Google Cloud Professional Machine Learning Engineer 📅 2021
- Certified Ethical AI Practitioner 📅 2025

TECHNICAL SKILLS

- **Modeling Frameworks:** Scikit-learn, TensorFlow, PyTorch
- **Cloud Platforms:** Google Cloud Platform, Vertex AI, BigQuery
- **MLOps Tools:** Airflow, MLflow, CI/CD
- **Programming Languages:** Python, R, SQL
- **APIs:** RESTful API, GraphQL
- **Data Visualization:** Tableau, Matplotlib, Seaborn
- **Database Management Systems:** MySQL, MongoDB, PostgreSQL
- **Testing Tools:** PyTest, JUnit, Selenium
- **Version Control:** Git, GitHub, Bitbucket
- **Agile Methodologies:** Scrum, Kanban, Lean

SKILLS

- Python
- Google Cloud Platform
- MLflow
- Feature engineering
- Scikit-learn
- Vertex AI
- Data analysis
- Predictive analytics
- TensorFlow
- BigQuery
- Model deployment
- ML lifecycle management
- PyTorch
- Airflow
- API integration
- Software development

PROFESSIONAL AFFILIATIONS

- Member of the Association for Computing Machinery (ACM), contributing to community tech events.
- Participating member in local Hackathon initiatives, fostering collaboration and innovation among peers.

LANGUAGES

- English (Native)
- Vietnamese (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST