

# Niko Pham

## Applied Machine Learning Engineer

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### STRENGTHS

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- 👥 **Collaborative Team Player**  
Frequently engaged in cross-departmental projects, notable for promoting teamwork and mutual success. My approach builds trust, creating an effective work dynamic.
- 💡 **Proactive Problem Solver**  
Identified bottlenecks in workflows and implemented practical solutions that expedited processes, gaining peer recognition for contribution.
- 📚 **Adaptable Learner**  
Quickly learned new technologies like Vertex AI, aligning constantly with industry changes. This ensures adaptability and effective contributions in evolving environments.
- ⚙️ **Innovative Thinker**  
Generated unique ideas for product enhancements leading to reduced failures, fostering an inventive culture driven by progress.
- 📊 **Analytical Decision Maker**  
Rely on analytical studies of data, leading to informed actions with tangible project results, showcasing my strategic aptitude.

### SKILLS

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[Python](#) [Scikit-learn](#) [TensorFlow](#)

[PyTorch](#) [Google Cloud Platform](#)

[Vertex AI](#) [BigQuery](#) [Airflow](#)

[MLflow](#) [Data analysis](#)

[Model deployment](#) [API integration](#)

[Feature engineering](#)

[Predictive analytics](#)

[ML lifecycle management](#)

[Software development](#)

### SUMMARY

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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

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#### Machine Learning Engineer

Cloud Innovations Inc. 📅 June 2023 - Present 📍 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

Tech Solutions Group 📅 July 2021 - May 2023 📍 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

Data Science Labs 📅 January 2020 - June 2021 📍 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

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#### 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

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- Achieved Employee of the Month for exceptional project delivery in March 2024.

## LANGUAGES

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English Native

Vietnamese Proficient

## MY CAREER

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● Machine Learning Engineer at Cloud Innovations Inc. (3 Years)

● Junior Machine Learning Engineer at Tech Solutions Group (1.8 Years)

● Intern - Data Analyst at Data Science Labs (1.4 Years)

- Recognized by management for leading a successful software migration initiative in December 2023.

## EDUCATION

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### Bachelor's Degree in Computer Science

University of Illinois 🎓 GPA: 3.8 📅 2019 📍 Champaign, IL

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

## CERTIFICATIONS

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

## TECHNICAL SKILLS

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- **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

## PROFESSIONAL AFFILIATIONS

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- 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.

## ADDITIONAL INFORMATION

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

## REFERENCES

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AVAILABLE ON REQUEST