

# Bruce Wayne

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## Summary

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Data scientist with strong applied mathematics background and agentic AI/ML focus.

Built full-stack AI and analytics systems from scratch using Python, R, SQL.

Skilled in deep learning, automation, and advanced data visualization.

Self-studied AI/ML; passionate about delivering robust, actionable solutions.

## Experience

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### Data Analyst Intern

Pasadena, CA

Kaiser Permanente

June 2023 – Sept 2023

- Automated patient data reporting tasks with UIPath, reducing workflow hours by 30%.
- Created PowerBI dashboards; increased data accessibility for 4+ teams.
- Wrote advanced SQL queries for surgical and medication insights.

## Education

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### University of California, Santa Barbara

Santa Barbara, CA, USA

in Applied Mathematics

Sept 2019 – June 2023

- Modeled predictive analytics using linear algebra (SVD, PCA).
- Studied numerical analysis and computational optimization.

## Projects

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### CareerCopilot

May 2024 – present

Platform to help job seekers improve resumes, match to jobs, and manage applications.

- Designed AI-driven tool for resume and job matching.
- Launched MVP and seeking funding as solo founder.

### Data Analyst AI Agent

Nov 2024 – present

Full-stack agentic system for automating advanced analytics at Kaiser Permanente.

- >7,000 line codebase leveraging Python and ML frameworks.
- Delivered actionable insights and automated data workflows.

### CNN Image Classifiers

Jan 2024 – Mar 2024

Applied transfer learning to image datasets for custom classification.

- Achieved 96.2% accuracy on cat/dog classification (state of art: ~97.5%).
- Reached 99.3% accuracy on MNIST digit classification.
- [https://github.com/brucewayne100/computer\\_vision\\_using\\_CNN](https://github.com/brucewayne100/computer_vision_using_CNN)

## Skills

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**Programming:** Python (Native), R (Advanced), SQL (Proficient), C# (Intermediate)

**ML/DL Frameworks:** PyTorch, Keras, TensorFlow, HuggingFace, scikit-learn

**BI & Automation:** PowerBI, UIPath

**Applied Math:** Linear algebra, SVD, PCA, numerical analysis, optimization

**AI Engineering:** Agentic systems, MLOps, model deployment