

# Adalyn Long

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## SUMMARY

Dedicated Computer Science student combining hands-on experience in AI and machine learning with academic knowledge. Completed various projects utilizing Python, Scikit-learn, and data analysis tools while collaborating effectively with peers. Developed practical applications demonstrating real-world impact, contributing solutions to educational settings through innovative modeling techniques. Engaged in research focusing on climate prediction, refining skills in data preprocessing and model evaluation. Seeking an internship to further enhance technical abilities and contribute creatively to team-based projects within AI development.

## EDUCATION

### Bachelor's Degree in Computer Science

Springfield University GPA: 3.8

2026

Springfield, IL

*Coursework: Data Structures, Machine Learning, Algorithms, Software Engineering*

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++
- **Machine Learning Libraries:** Scikit-learn, TensorFlow, PyTorch
- **Data Analysis Tools:** Pandas, NumPy, Matplotlib
- **Methodologies:** Agile, Scrum, Waterfall
- **Version Control:** Git, GitHub
- **Operating Systems:** Windows, Linux, macOS
- **Database Technologies:** MySQL, MongoDB, SQLite
- **Development Concepts:** Object-Oriented Programming, Test-Driven Development
- **Visualization Tools:** Tableau, Power BI, Google Data Studio
- **Project Management Tools:** Trello, Asana

## SKILLS

- Python
- TensorFlow
- Machine Learning
- Computer Science
- Scikit-learn
- Data Analysis
- Data Preprocessing
- Research Skills
- NumPy
- Model Evaluation
- Visualization Tools
- Automation Techniques
- Pandas
- Deep Learning
- Generative AI
- Agile Methodologies

## EXPERIENCE

### AI Development Intern

January 2026 - Present

University Project

Remote

Supported the design of a machine learning model aimed at predicting outcomes based on historical data through collaborative project management and coding efforts. Worked closely with a team, offering insights into automation and methodological challenges.

- Collaborated with a team to develop a machine learning model for predicting student performance based on historical data, utilizing Python and Scikit-learn.
- Conducted data preprocessing and feature selection to enhance model accuracy, achieving significant improvement in prediction outcomes.
- Presented findings to faculty, showcasing model effectiveness in real-world educational contexts.
- Engaged in weekly code reviews, ensuring code quality and instilling best practices through peer feedback.
- Researched and integrated advancements in Generative AI, enhancing model capabilities.
- Utilized Git for version control in collaboration on project deliverables.

### Data Science Research Assistant

September 2025 - December 2025

Academic Research

Remote

Contributed to a focused research project on machine learning methods applied to climate assessment by analyzing extensive datasets. Collaborated effectively in collecting insights vital to advancing understanding of climate variables and influencing models.

- Assisted in a research project focusing on machine learning algorithms for climate prediction.
- Analyzed large datasets using Python libraries including Pandas and NumPy for meaningful insights.
- Conducted literature reviews and contributed to developing research papers to enhance field expertise.
- Developed visualization tools for research findings, enhancing presentations to academia.
- Collaborated with co-researchers to design and validate experiments, ensuring robustness.

- Participated in workshops on advanced machine learning techniques to improve skill set.

## Machine Learning Developer

### Hackathon Project

March 2025  
Springfield, IL

Created a prototype application leveraging TensorFlow for real-time image recognition during a vigorous weekend competition, showcasing both adaptability under tight deadlines and creativity in problem-solving.

- Developed a prototype application using TensorFlow for real-time image recognition during a 48-hour hackathon.
- Collaborated extensively with teammates to brainstorm innovative solutions while managing limited time resources.
- Received recognition for most innovative project illustrating feasible real-world tech applications.
- Documented progress and results thoroughly for personal reflection and team growth.
- Engaged with mentors to refine coding methods, ensuring efficient project execution.
- Employed Agile methodologies to manage workflow and timely project deliveries.

## LEADERSHIP & AWARDS

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- Dean's List, Springfield University, 2025
- First Place, Springfield University Hackathon, 2025

## CERTIFICATIONS

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- Google Data Analytics Certificate 📅 2025
- Certified Associate in Project Management 📅 2025

## PROFESSIONAL AFFILIATIONS

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- Member, Computer Science Club, Springfield University
- Volunteer Tutor, Springfield Community Center

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

## 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