



# Simon Vega

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## SUMMARY

Innovative Computer Science student eager to apply data science skills in real-world settings. Enabled projects involving machine learning, data analysis, and enterprise integration tools that improved organization capabilities. Experience with Python, TensorFlow, and graph theory techniques proved valuable in developing effective predictive models. Handled collaboration within team settings and prepared presentations for diverse audiences, successfully communicating complex findings. Deeply interested in engaging directly with Fortune 500 clients and contributing to impactful AI-driven solutions. Looking forward to professional growth in enterprise AI initiatives and hands-on experience in transforming theories into practice.

## EDUCATION

### Bachelor of Science in Computer Science

2027

University of California, Los Angeles   GPA: 3.8

Los Angeles, CA

*Coursework: Data Structures, Machine Learning, Algorithms, Database Management*

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, R
- **Machine Learning Frameworks:** TensorFlow, Scikit-Learn, Keras
- **Data Visualization Tools:** Tableau, Matplotlib, Seaborn
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Cloud Platforms:** AWS, Google Cloud Platform, Microsoft Azure
- **Project Management Tools:** Trello, Asana, JIRA
- **Version Control:** Git, GitHub, Bitbucket
- **Statistical Analysis Software:** SPSS, SAS, Excel
- **Development Environments:** Jupyter Notebook, PyCharm, RStudio
- **APIs:** REST, SOAP, GraphQL

## SKILLS

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|--------------------|----------------------|---------------------------|---------------------------|
| • Python           | • AI Systems         | • Technical Documentation | • Deployment Tools        |
| • TensorFlow       | • Graph Theory       | • AI Technologies         | • Algorithm Effectiveness |
| • Data Analysis    | • Risk Assessment    | • Enterprise Integration  | • Problem Solving         |
| • Machine Learning | • Team Collaboration | • Data Cleaning           | • Stakeholder Engagement  |

## EXPERIENCE

### Machine Learning Researcher

January 2026 – August 2026

University Project

Los Angeles, CA

Engineered a comprehensive research project aimed at creating machine learning predictions using historical financial datasets. Worked collaboratively to analyze trends and present findings amidst academic peers. Ensured alignment of outcomes with expert expectations by engaging deeply in feedback cycles.

- Developed a machine learning model predicting financial outcomes through regression techniques, enhancing accuracy significantly.
- Collaborated closely with team members to analyze data trends, leading to commendable presentations recognized for their clarity.
- Utilized Python and TensorFlow to create scalable models applicable for enterprise-grade tasks.
- Explored graph theory applications to identify relationships in datasets, yielding key insights.
- Participated actively in iterative feedback sessions, refining model performance based on collaborative inputs.
- Documented methodologies and results comprehensively, contributing to later university research publications.

### Data Science Intern

September 2025 – December 2025

Academic Research

Los Angeles, CA

Contributed to developing an AI-based tool focused on evaluating compliance metrics, with specific emphasis on risk frameworks. Enhanced understanding of rigorous data management while receiving guidance from industry experts.

- Supported development of an AI-driven data analysis tool targeting financial compliance metrics.

- Conducted data cleaning operations, ensuring dataset integrity for machine learning initiatives.
- Assisted in designing evaluation frameworks for gauging the effectiveness of algorithms in organizational contexts.
- Presented research findings at departmental events, simplifying complex information for varied audiences.
- Engaged in grant proposal collaborations, outlining project vision and objectives effectively.
- Gained exposure to enterprise-grade data integration practices through mentorship from seasoned professionals.

**LEADERSHIP & AWARDS**

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- Dean's List, University of California, Los Angeles, 2025
- First Place, Campus Hackathon, 2025

**CERTIFICATIONS**

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- Google Data Analytics Professional Certificate 📅 2026
- AWS Certified Cloud Practitioner 📅 2026

**PROFESSIONAL AFFILIATIONS**

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- Member, Computer Science Club, UCLA, 2024 – Present
- Volunteer, Tech for Good, 2024 – Present

**LANGUAGES**

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- English (Native)
- Spanish (Proficient)

**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