

# Grisha Statnikov

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## EDUCATION

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### Acalanes High School

GPA: 3.86/4.00

Lafayette, CA

Aug. 2022 – May 2026

## EXPERIENCE

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### Research Intern @ SIP Program

[Certificate](#)

[Github](#)

Summer 2024

University of Santa Cruz

Santa Cruz, CA

- Developed an autoencoder with normalization to improve symbol detection under jamming, surpassing state-of-the-art models.
- Designed a flexible AE model to handle multiple code rates without needing separate models.
- Researched vulnerabilities in learning-based AEs, enhancing robustness against interference.

### Ski Instructor

Winter 2023 – 2024

Tahoe Donner Ski Resort

Tahoe, CA

- Provided personalized skiing instruction to children and adults of all skill levels, ensuring a strong emphasis on safety and skill development.
- Helped organize group activities and supported the resort in creating a family-friendly environment.

### Ambassador

Summer 2023

Martis Country Club

Tahoe, CA

- Represented the country club at various events, assisting guests and providing information on club services and activities.
- Supported event planning and coordination, enhancing guest experiences during high-profile events.

## ACTIVITIES

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### Founder, AI and Machine Learning Club

Aug 2024 – Present

Acalanes High School

Lafayette, CA

- Founded and lead a student-run club with over 35 members, focused on exploring AI and machine learning concepts through projects and discussions.
- Organized workshops and study groups to help students learn the basics of machine learning, Python, and popular AI frameworks.

### Machine Learning Course

[Certificate](#)

Nov 2024 – Present

ML course by Andrew Ng

- I learned regression for predicting continuous values and classification for categorizing data into distinct classes from Andrew Ng's Machine Learning course. These fundamental concepts helped me understand both how to predict numerical outcomes and how to sort items into different categories.

## TECHNICAL SKILLS

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**Languages:** English (Native), Russian (Upper-Intermediate)

**Programming Languages:** Python, Java, HTML/CSS,

**Developer Tools:** VS Code, PyCharm, Google Colab, Jupyter Notebooks, Anaconda, Git

**Libraries:** PyTorch, TensorFlow, pandas, NumPy, Matplotlib