

# Georgiy A. Kiselev

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## EDUCATION

**University of California, Davis**

2021-2025 (*expected*)

*Working towards a Bachelor of Sciences in Statistics, Minor in Computer Science*

- College of Letters and Sciences
- Cumulative GPA: **3.934**, Dean's Honors: Fall 2021 – present

## WORK EXPERIENCE

TPR Education, LLC

(July 2022 - November 2022)

Intermediate Tutor

- Provided on demand virtual tutoring for math ranging from elementary to undergraduate level.

## EXPERIENCE / PROJECTS

Parkinson's Risk Evaluator

- **Winner** of 'Best Healthcare Hack' at **HackDavis 2023**
- Gathered, cleaned and preprocessed data. Constructed, trained and fine-tuned a machine learning model for evaluating risk of Parkinson's from audio input.

ML.MD

- **Winner** of 'Most Potential for Impact' Award and second place for 'Most Advanced Project' at **Google Developer Student Club 2023 Showcase**
- Developed a computer vision powered radiology application for diagnosis of chest conditions utilizing U-Net.

Project Lead - Davis Data Science Club

- Selected as 1 of 5 project leads from a pool of **100+** candidates.
- Responsible for **guiding a team** through development and implementation of machine learning models, as well as troubleshooting.

RiceDiagnoser

- Researched, tested and modified lightweight models capable of diagnosing a wide variety of rice plant diseases with an accuracy of **87.31%** while being computationally efficient.

## SKILLS

- Python and R programming language
  - Neural Network architecture using TensorFlow
  - Reinforcement learning models using stable-baselines3 and OpenAI Gym
  - Microsoft Office Suite and Google Suite
  - Power BI, SQL using MySQL
  - Model Hyperparameter Optimization
  - Hypothesis Testing, Inferential Statistics
  - Natural Language Processing and Computer Vision
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