# Georgiy Kiselev

+1(747) 247-7907 ◊ Agoura Hills, CA

kiselevgeorgiy@gmail.com ◊ https://www.linkedin.com/in/georgiy-kiselev2002/ ◊ https://georgiykiselev.github.io

## EDUCATION

**BS Statistics (GPA 3.862/4.0)**, University of California Davis. September 2021 - June 2025

Relevant Coursework: Data Structures & Algorithms, Probability Theory, Statistical Data Science, Regression Analysis, Analysis of Variance, Applied Linear Algebra, Time Series Analysis, Vector Analysis, Linear Algebra for Pattern Recognition

## SKILLS

| | |
|---|---|
| **Programming Languages** | Python, R, HTML, CSS, JavaScript, SQL |
| **Tools** | Tensorflow, PyTorch, GIT, Streamlit, SKLearn, stable-baselines3, AWS, Azure, Google Cloud, Microsoft Office Suite and Google Suite, Power BI, Tableau, Databricks |

## PROJECTS/AWARDS

**HackDavis 2023 Award:** Winner of "Best Healthcare Hack" out of 200+ teams for our Parkinson's Risk Evaluator, a full-stack machine learning project that illustrates production practices using databases, frameworks and web development techniques. The application extracted critical features (such as jitter, shimmer and intensity) from user submitted voice clips and applied gradient boosting in order to generate a risk probability. Built with Flask, TensorFlow and written in Python, JavaScript, HTML and CSS.

**GDSC Project Showcase Award:** Winner of "Most Potential for Impact'' out of 30+ teams for ML.MD, an ML-powered radiology application. Implemented U-NET architecture to generate masks of affected regions. Built with Streamlit, Flask, PyTorch and written in Python, Java, HTMl and CSS, this application demonstrated an overall accuracy of 93% on test cases.

**Independent Research Project:** Collected, preprocessed and analyzed image and tabular data regarding rice diseases in the Eastern Hemisphere. Utilized transfer learning to leverage MobileNetV2 for automatic recognition and diagnosis of rice plant diseases using TensorFlow and OpenCV, which performed with a Top-5 accuracy of 91% on test cases. Created a report with benchmark tests, performance evaluations and further analysis.

## EXTRACURRICULARS

**Google Developer Student Club (Tech Director, Head of Research)** April 2023 - *present*

- Directed 12 machine learning/artificial intelligence project groups utilizing Tensorflow, PyTorch and LLM APIs. Selected as a tech director from a pool of 200+ students. Projects consisted of an automated radiology app, enrollment prediction program, cryptocurrency encryption service, Spotify preference detection and recommendation system, and automated weather analysis app.
- Spearheaded the research initiative, which sought to introduce undergraduates to the machine learning research and production ecosystem. Guided a team of students through the machine learning pipeline of collecting and preprocessing data, model development, and deployment to production.

**Davis Data Science Club (Project Lead)** April 2023 - *present*

- Organized workshops and bootcamps for important machine learning and development frameworks. Educated 30+ students in the development of machine learning projects using Tensorflow, Python, R and Git.
- Led a team of students through the development of a computer vision model for recognition of infrastructure features via satellite imaging. Collected and preprocessed data from the USGS EarthExplorer repository. Leveraged the DenseNet-161 convolutional neural network (pretrained on ImageNet database) for classifying critical infrastructure from among 9 types. The model achieved a Top-1 accuracy of 94%.