Georgiy Kiselev

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EDUCATION

BS Statistics (GPA 3.857/4.0), 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

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

WORK EXPERIENCE

Data Analyst Intern November 2021 - January 2022

The Cloverleaf Farm, LLC Davis, CA

- Collected and analyzed orchard data utilizing R, Tableau and Pandas. Compiled reports on sales volumes, total yield and decay rates. Produced graphical visualizations of trends via Seaborn, Folium and Plotly.
- Developed predictive models to demonstrate agricultural effects on orchard yield using Tensorflow and SKLearn. Designed an object classification model to identify and diagnose fruit diseases based on images.
- Monitored databases on MySQL, set up Kanban boards on Trello, and organized meetings on Slack to coordinate project procedures, fix technical issues, and advise co-workers .

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. Built with Flask, TensorFlow and written in Python, JavaScript, HTML and CSS. Details found on DevPost.

GDSC Project Showcase Award: Winner of “Most Potential for Impact” out of 30+ teams for ML.MD, an ML-powered radiology application for chest conditions. 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. Developed a transfer learning model for automatic recognition and diagnosis of rice plant diseases using TensorFlow which performed with a 91% accuracy on test cases. Concurrently authored a paper 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 1 of 11 tech directors from a pool of 200+ students. Projects consist 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 20 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.