

Vladimir Kataev

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Education:

B.S. Data Science	University of California, Riverside (UCR)	June 2024
<ul style="list-style-type: none">• GPA: 3.5• Major GPA: 3.7• Relevant Coursework: Software Construction, Statistics for Data Science, Machine Learning and Data Mining, Data Analysis, Computer Vision, Database systems• Awards: Dean's List (3 times)		
A.S. Computer Science	De Anza College	December 2021
<ul style="list-style-type: none">• GPA: 3.3• Relevant Coursework: C++, x86 Assembly, Data Structures, Algorithms,• Awards: Dean's List (2 times)		

Technical Skills:

Programming Languages: C++, Python, LISP, Java, LISP, R, x86 Assembly, SQL

Programming Tools: Git, Github, Flask, R markdown, vscode, SSH, Jupyter Notebooks, Docker

Statistical Libraries: Tensorflow, PyTorch, Sci-Kit learn, ggplot, Pandas, numpy, matplotlib

Data Science: Data Analysis, Machine Learning, Computer Vision, Data Mining, Data Visualisation, PostgreSQL

Mathematics and Statistics: Design of Experiments, Mathematical Statistics, Multilinear regression

Internship Experience:

Software intern	Quantum Ventura, Online	Summer 2023
<ul style="list-style-type: none">• Implemented Statistical software using Python for viewing model accuracy and bias-variance trade offs• Collaborated with peers to help design and evaluate statistical models• Drafted research documents for potential future projects		

Projects:

Tic-Tac-Triple - Web based 3-dimensional tic-tac-toe | www.github.com/VladimirKataev/TicTacTriple

- Created front-end and backend for the online game, using Flask and Javascript
- Optimized the performance with bitwise masking operations to enable more efficient storage

Reversi AI- An artificial intelligence bot to play reversi | www.github.com/VladimirKataev/VLADS_GAME

- Increased performance using C++ multithreading to achieve sub 1-second response times
 - Utilized alpha-beta pruning algorithms to beat skilled human opponents
 - Self-taught C++ data structures and AI algorithms to write better code
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Leadership Experience

Summer Camp Teacher	I.D. Tech, online	Summer 2021
<ul style="list-style-type: none">• Taught groups of 4 students beginner level Python and C++• Communicated difficult concepts with multiple approaches to better suit individuals		