

# Conrad Lee

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## SUMMARY

Dedicated data scientist with strong skills in Python, R, SQL, and data visualization. NCAA student-athlete with proven time management skills and performance under pressure. Experienced in working with large datasets and communicating complex ideas with clarity. Curious and versatile self-starter motivated by problem-solving and making a positive impact.

## EDUCATION

**Yale University**, New Haven, CT

Expected Graduation December 2025

- *B.A. in Applied Mathematics, concentrating in Data Mining and Machine Learning (3.95 GPA)*
- *Relevant Coursework: Data Exploration and Analysis, Probability Theory, Data Structures, Stochastic Processes, Advanced Linear Algebra, Natural Language Processing, Computational Intelligence for Games*

## TECHNICAL SKILLS

- *Languages:* Python, R, SQL, HTML/CSS, JavaScript, C, C++, C#
- *Libraries/Tools:* NumPy, pandas, scikit-learn, matplotlib, PyTorch, PyStan, Git, Looker Studio, Jupyter Notebooks
- *Skills:* Data Analysis, Data Visualization, Statistical Modeling, Machine Learning, Natural Language Processing

## TECHNICAL EXPERIENCE & PROJECTS

**Senior Undergraduate Thesis**, Yale University, New Haven, CT

January 2025-May 2025

- Conducted theoretical and statistical analysis of RPI ranking system used to compare NCAA D1 Men's Soccer teams
- Compared RPI rankings to Bayesian machine learning model for synthetic and real data using NumPy and PyStan
- Identified formula weightings and home advantage as key drivers of RPI bias towards stronger-conference teams
- Visualized and presented findings to industry professionals at 2025 Connecticut Sports Analytics Symposium

**van Dijk Lab**, Research Assistant, New Haven, CT (remote), [vandijklab.org](https://vandijklab.org)

May 2024-July 2024

- Conducted experiments supporting the development of a generative LLM using PyTorch and Jupyter Notebooks

**LevelTen Energy**, Data Science Intern, Seattle, WA, [leveltenenergy.com](https://leveltenenergy.com)

May 2023-July 2023

- Created in-house Natural Language Processing (NLP) name standardization tool with Python, SQL and pandas
- Developed tools to improve KPI reporting efficiency using SQL, BigQuery and Looker Studio

**Yale Votes Student Initiative**, Co-Director of Data, New Haven, CT, [vote.yale.edu](https://vote.yale.edu)

April 2022-January 2024

- Engineered data pipelines using JavaScript and Google Sheets to assist club in reaching student voters
- Designed student surveys, analyzed data and presented findings to club board to improve club outreach

**Seattle Sounders FC**, Academic Internship, Seattle, WA, [soundersfc.com](https://soundersfc.com)

October 2018-May 2020

- Performed regression analyses with Python and NumPy to identify undervalued players in Major League Soccer
- Analyzed efficacy of play strategies for USL Championship teams and presented findings to reserve team coaches

## LEADERSHIP & EXTRACURRICULARS

**Yale University D1 Varsity Men's Soccer Team**, Goalkeeper, New Haven, CT

August 2021-Present

- Devote 20+ hours per week to team trainings and games while balancing demanding academic schedule
- Facilitate communication between players and coaches as senior member for upcoming 2025 season

**Tacoma Defiance**, Goalkeeper, Tacoma, WA

May 2018-July 2021

- Rostered 25 times over 4 seasons playing in United Soccer League, second division of US professional soccer
- Recognized for teamwork, preparation, initiative and communication as co-captain for club's academy team

*Other extracurriculars: Yale Sports Analytics Club, Yale Chess Club and Chess Team, The Politic (Yale undergraduate political journalism), Yale Unorthojocks (student-athlete acapella)*