

# Lance Hendricks

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## EDUCATION

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### Northeastern University

Boston, MA

*Bachelor of Science in Computer Science, Minor in Mathematics*

*Sep. 2023 – Present*

- GPA: 4.0
- Activities: Math Club, Sports Analytics Club, Volunteer tutoring

### Sandpoint High School

Sandpoint, ID

*High School Diploma*

*Sep. 2019 – Jun. 2023*

- GPA: 4.0
- SAT: 1550
- One of 50 U.S. Presidential Scholars candidates in the state of Idaho

## EXPERIENCE

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### Senior Information Technology Intern

Jun. 2024 – Aug. 2024

*Lake Pend Oreille School District*

*Ponderay, ID*

- Helped lead a team of interns to create, install, and troubleshoot network technologies across 11 schools within the district
- Methodically implemented technology, assuring I left everything better than I found it
- Effectively communicated and collaborated with other departments within the district
- Trained new interns

## PROJECTS

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### MLB Perceptron | *Machine Learning, Python, Data Science, Pandas, NumPy*

Jun. 2024 – Present

- Trained a simple linear perceptron to predict the outcomes of baseball games
- Used previous MLB game data accessed via the MLB Stats API

### Fantasy Football Draft Assistant | *Python, Data Science, Pandas, NumPy*

Jul. 2024 – Present

- Developed an interactive fantasy football draft assistant that allows users to update team selections as the draft progresses
- Before each user pick, runs a Monte Carlo simulation for the rest of the draft in order to determine which player the user should pick next in order to maximize point totals
- Works with both Standard and PPR (Points per Reception) scoring

### Fantasy Football Player Projector | *Machine Learning, Python, Linear Regression*

Jul. 2024 – Present

- Using player data from previous seasons, trained a linear regression model to predict point totals for NFL players in the 2024 fantasy football season.

### March Madness Bracket Optimizer | *Python, Monte Carlo Simulation*

Feb. 2022 – Present

- Developed a March Madness bracket optimizer that finds the most optimal bracket to choose in a pool setting according to a scoring system based on seed and round
- Implemented the Pandas and Beautiful Soup Libraries
- Conducted Monte Carlo simulation

## SKILLS, CERTIFICATIONS, AND INTERESTS

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**Programming Languages:** Java, Python, R, HTML/CSS, LaTeX, Racket

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** Pandas, NumPy, Matplotlib, BeautifulSoup

**Certifications:** CompTIA A+

**Languages:** English, Spanish, Arabic

**Interests:** Sports Analytics, Fantasy Football, Baseball, Soccer, Film, Travel