

## Joel Brandinger

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### EDUCATION

**Bachelor of Science in Data Science** - Tufts University | Medford, MA

Expected: Spring 2024

- Double Minor in Mathematics & Economics
- 3.75 cumulative GPA through 90 credit hours
- Dean's List Honors every semester
- NCAA Division III Varsity Ice Hockey Team

Relevant Coursework:

Data Structures | Algorithms | Probability | Statistics | Machine Learning | Big Data | Statistical Pattern Recognition | Web Programming | Cybersecurity | Linear Algebra | Calculus 1, 2, & 3 | Discrete Mathematics | Assembly Language |

### PROFILE

Highly motivated and collaborative individual with excellent analytical, problem-solving, and communication skills. Proven work ethic demonstrated through academic and athletic achievement. Goal-oriented, creative, and resourceful. Trusted team player known for dependability, accessibility, and innovative thinking.

### CORE COMPETENCIES

C | C++ | Python | Java | SQL | JavaScript | PHP | MongoDB | AWS | HTML | MS Office | Adobe Creative Suite | Swedish | Spanish | Critical Thinking | Effective Communication | Proactive Problem Solving | Intellectual Curiosity

### PROFESSIONAL EXPERIENCE

**Data Analytics Intern** - Prentiss Hockey Performance | Stamford, CT

05/2022 - 08/2022

- Collected and analyzed a variety of hockey-relevant performance metrics to measure speed, strength, and mobility of professional athletes
- Strategically implemented force-velocity curve to calculate appropriate load for training exercises
- Helped maintain and refine database for all collected data

### PROJECTS

**Trousers vs Dresses**

10/2022

- Feature engineered training images of trousers and dresses to optimize a logistic regression model for binary classification
- Model scored lowest error rate and highest AUROC on unseen testing set in machine learning class of 120 students

**Six Degrees**

12/2021

- Interactive game to connect two different artists through their song collaborations (modeled after Six Degrees of Kevin Bacon)
- Implemented in C++ using a graph where artists are stored as vertices and the songs between them as edges

### CERTIFICATION

**Data Scientist with Python** - DataCamp | Online

05/2022 - 08/2022

- Developed integral data visualization and manipulation skills through 25 courses, 6 projects, and 3 skill assessments
- Used libraries NumPy, Pandas, Matplotlib, SciKitLearn, and Seaborn

### ADDITIONAL EXPERIENCE

**Tutor** - Two Sigma Tutors | Boston, MA

08/2022 - Present

- Tutoring of local high school students in computer science, calculus, and economics
- 5 - 10 hours/ week during school year

**Painter** - G.I. Paints | Rockford, MI

05/2021 - 08/2021

- Exterior and interior painting of houses

**Shopper** - Shipt | Grand Rapids, MI

04/2019 - 08/2021

- Maintained 4.8/5 star average rating for over 300 orders
- 100% of orders delivered on time

**Hockey & Soccer Referee** - USA Hockey & MSYSA | Grand Rapids, MI

10/2015 - 06/2019

- Officiated over 250 hockey and soccer games

**Sales Associate** - Perani's Hockey World | Grand Rapids, MI

05/2018 - 08/2018

- Greeted and helped customers locate products on sales floor
- Processed returns and handled checkouts at cash register