

Kevin Lyons

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EDUCATION

Massachusetts Institute of Technology Sept. 2016-June 2021

M.Eng. Computer Science, Artificial Intelligence & Machine Learning (5.0/5.0 GPA)

- Completed thesis *Automated Force-Velocity Profiling of NFL Athletes via High-Frequency Tracking Data*

B.S. Computer Science (4.9/5.0 GPA)

- Relevant coursework: Algorithms, Computational Structures, Elements of Software Construction, Machine Learning, Mathematics for CS, Linear Algebra, Optimization, Comp, CS Systems

PROFESSIONAL EXPERIENCE

DraftKings *Software Engineer* July 2021-Present

- Work on Account Platform Web team, building services for user account management using React, Redux, and TypeScript

Software Engineer Intern

May-Aug. 2020

- Built full-stack integration with Zendesk that receives 16,000+ requests per day from 200+ internal users
- Built React-Redux frontend and .NET Core backend for new internal tool to manage all employee permissions that serves 1,500+ users
- Wrote tech plan for new application and led meetings with internal company stakeholders for review

MIT Professional Education *Teaching Assistant* Dec. 2017-March 2021

- Managed coursework for professional data science & analytics course with 3,000+ students over 3 years
- Monitored forum to respond to student questions and troubleshoot technical issues in Python & R

nference *Software Engineer Intern* May-Aug. 2019

- Built internal React web application for manual validation of 100K+ textual records
- Co-led integration effort with offsite team to connect and migrate 20+ backend MongoDB schemas

Uber *Software Engineer Intern* May-Aug. 2018

- Built distributed data pipelines on PySpark for batch processing of 300K+ driver trip records
- Integrated with machine learning model that achieved > 0.9 AUC in predicting driver behavior & pricing
- Updated Cassandra table schemas and Go microservices to fix a bug that affected 50K+ drivers in NYC

New England Patriots *Data Analyst Intern* Jan.-May 2018

- Worked with internal personnel to support data-driven analysis efforts

Philips Research North America *Data Science Intern* May-Aug 2017

- Streamlined data from CSV/XML/DICOM image formats to common HDF5 data structure
- Wrote HDF5 data loader in Python for I/O of 20K+ lung nodule crops with preprocessing abstractions
- Authored patented ML-based clinician support system in coordination with Mass General Hospital

PROJECTS

WildcatConnect iOS App *Co-Founder & Lead Developer* May 2015-Feb. 2019

- Co-founded productivity app for Weymouth HS, winner of 2016 #1 Senior Project Award
- Integrated push notifications of key events, alerts and custom class groups for students and faculty

LEADERSHIP

MIT Sports Summit Leadership Team Sept. 2019-Feb. 2021

- Co-led student team responsible for organizing summit with leaders from sports technology industry

Gordon-MIT Engineering Leadership Program Sept. 2018-Jun. 2020

- Served as Program Student Leader from January - June 2020, managing 130+ students and 10+ staff

MIT Delta Kappa Epsilon Fraternity Sept. 2016-Jun. 2020

- Served as Chapter Vice President, Webmaster and Community Service Chair

MIT Varsity Football Sept. 2016-Dec. 2019

- Selected to 2017, 2018, and 2019 NEWMAC Academic All-Conference Teams

MIT Leadership Training Institute Sept. 2016-May 2019

- Mentored 20+ Boston-area high school students to create unique and local community initiatives