

# KEVIN LYONS

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## EDUCATION

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- ✚ Massachusetts Institute of Technology (Cambridge, MA)      Anticipated Graduation June 2020
  - Pursuing B.S. in Computer Science, with potential minor in Management Science
  - 4.5 GPA – courses include Algorithms, Machine Learning, Data Analytics, Computation Structures, Fundamentals of Programming, C & C++, Math for CS, Multivariable Calculus
- ✚ Weymouth High School '16      Valedictorian, National Honor Society President, Varsity Captain

## PROFESSIONAL EXPERIENCE

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- ✚ Philips Research North America      Research Software Engineer Intern      May – August 2017
  - Developed supervised deep learning pipeline for lung cancer prediction with CNN architectures
  - Contributed to invention disclosure for ML-driven physician support system
- ✚ CityScope Research Team, MIT Media Lab      September 2016 – August 2017
  - Developed CNN to learn traffic patterns and optimize layouts for better urban planning
  - Using multi-criterion optimization algorithm to provide city recommendations for users
- ✚ WildcatConnect iOS App      Founder, Lead Developer      Summer 2015 – Present
  - Built productivity app for 5,000+ students, families and staff at Weymouth High School
  - Using both iOS and Node.js web clients with MongoDB/AWS instances for uptime/scalability
- ✚ LifeYield, LLC (Boston, MA)      Full-Stack Software Engineer Intern      Summer 2015/2016
  - Implemented in-house API service to monitor remote cloud infrastructure security and stability
  - Facilitated 40% optimization of web service calls with refactored XML processing/serialization

**Languages, Environments and Databases:** Python, Java, JavaScript, C, C++, C#, Objective-C, HTML, CSS, XML, Node.js, JQuery, Express, AWS, Heroku, MongoDB, SQL, Bash, git, SVN, virtualenv, conda, jupyter

## AWARDS AND ACHIEVEMENTS

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- ✚ Boston Globe Scholar-Athlete Award      June 2016
- ✚ Weymouth High School Student-Athlete of the Year      June 2016
- ✚ National Football Foundation Scholar Athlete      May 2016
- ✚ Massachusetts State Student-Athlete of the Month      October 2015

## EXTRACURRICULAR WORK

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- ✚ Delta Kappa Epsilon Fraternity      Community Service Chair      September 2016 – Present
- ✚ MIT Student Athlete Advisory Committee      August 2016 – Present
- ✚ MIT Varsity Football      Player's Council Member      August 2016 – Present
- ✚ MIT Leadership Training Institute      2-Time Keynote Speaker, Mentor      Spring 2015 – Present