

# KEVIN LYONS

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## EDUCATION

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| ✚ Massachusetts Institute of Technology (Cambridge, MA)   | Anticipated Graduation June 2020       |
| <ul style="list-style-type: none"><li>○ Pursuing B.S. Computer Science</li><li>○ Enrolling in many CS courses freshman year, i.e. Integration of EECS, Algorithms, Programming with C and C++, Data Analytics, Machine Learning</li></ul> |  |
| ✚ Weymouth High School '16  | Valedictorian of 473 Students, 4.9 GPA |

## PROFESSIONAL EXPERIENCE

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|---|--------------------------|---------------------------|
| ✚ Philips Research North America  | Software Engineer Intern | May 2017 – Present        |
| <ul style="list-style-type: none"><li>○ Joining effort to apply computer vision techniques to studying lung cancer screening images</li><li>○ Using convolutional neural networks and deep learning to increase positive patient outcomes</li></ul>       |                          |                           |
| ✚ Changing Places CityScope Research Team (MIT Media Lab)   |                          | September 2016 – May 2017 |
| <ul style="list-style-type: none"><li>○ Created dynamic city matrix generator for use as test cases for machine learning algorithm</li><li>○ Developing CNN to learn traffic patterns and optimize layouts for better urban planning</li></ul>            |                          |                           |
| ✚ WildcatConnect iOS App  | Founder, Lead Developer  | Summer 2015 – Present     |
| <ul style="list-style-type: none"><li>○ Productivity app for students, families and staff at Weymouth High School</li><li>○ Uses both iOS and Node.js web clients with MongoDB instances for uptime and scalability</li></ul>                             |                          |                           |
| ✚ LifeYield, LLC (Boston, MA)   | Software Engineer Intern | Summer 2015 and 2016      |
| <ul style="list-style-type: none"><li>○ Implemented in-house API service to monitor remote cloud infrastructure security and stability</li><li>○ Facilitated 40% optimization of all web service calls through XML processing and serialization</li></ul> |                          |                           |

## 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    |
| ✚ WHS Football, Basketball, Math Team    | Senior Captain                 | Fall 2014 – Spring 2016  |