KEVIN ANDREW LYONS

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PROFILE

I have a focus in computer science on the side of software development and applied sciences. I hold a certain passion for vertical mentorship and giving back to valuable community programs. I view myself as a diverse, well-balanced student, athlete, community member and professional. I am seeking to continue each of these characteristics at higher institution.

ACADEMICS

- Currently ranked 1st out of 473 students in the Class of 2016 with a weighted GPA of 4.8844

- High scoring on standardized tests, including SAT Reasoning (2190), SAT Subject Tests (Mathematics Level 2 = 800, Chemistry = 760), AP Exams (5 on Computer Science, Chemistry and English Language) and ACT Plus Writing (35)

- Graduation from Weymouth High School expected June 2016

AWARDS AND ACHIEVEMENTS

2015 Rensselaer Medalist		Spring 2015
National Honor Society	President	May 2015 – Present
Bay State Conference All-Star, Football		Fall 2014
Weymouth High School Student-Athlete of the Month		October 2014
MIAA Sportsmanship Summit	Participant	Fall 2013, 2014
AP Scholar with Honor		Spring 2015 – Present

EXTRACURRICULAR WORK

Math Team	Senior Captain	Fall 2014 – Present
Varsity Football	Senior Captain	2012 – Present
Varsity Basketball	Senior Captain	2012 – Present
MIT Leadership Training Institute	Keynote Speaker	Spring 2015

Recommended and accepted to a selective leadership program on the Cambridge campus of MIT in the spring of my junior year

12-week program taught by current MIT undergraduate students, with the goal to help high-school students refine their leadership skills and develop a service-minded initiative in their respective communities

As a result, went on to create the Beyond the Code program *(detailed below)* o During the Closing Ceremonies of the program, I was selected as one of only three out of 50 students to present my findings in one of the largest lecture halls on campus.

- Beyond the Code   Director, Student Mentor   Spring 2015 – Present

  - Founded the organization Beyond the Code in the spring of 2015, my junior year, as my assignment from the above mentioned MIT Leadership Training Institute

  - Unique computer science mentorship program that pairs knowledgeable and passionate high

  - Have reached 70 students to date, across 3 Weymouth Public Schools in grades 3-8

  - Recruited 10+ high-school student mentors working under my guidance to support the vision of my program

  - Worked alongside numerous district faculty, including the Director of Instructional Technology, Community Relations Liaison and principals at each of the three schools

  - Presented my program to the town administration, including the Weymouth School Committee, to raise STEM Awareness

  - Plan in place for upcoming years to create a sustainable, replicable mentorship program across the town

- Advocate for STEM Education and Exposure   Spring 2015 – Present

- Student Voice   Director   Spring 2015 – Present

- Rotary International Involvement   May 2015 – Present

- Freshman Student Ambassador   Fall 2014 – Present

- Volunteers in Practice (VIP) Organization   Fall 2014 – Present

- Peer Tutoring   Fall 2014 – Present

- Special Olympics and Best Buddies Support   Spring 2013 – Present

PROFESSIONAL EXPERIENCE

- LifeYield, LLC.   Software Engineer Intern   July 2015 – Present

  - In the summer before my senior year, I completed an intensive paid internship at Boston-based financial computing firm LifeYield.

  - Given task in a four-week timespan to complete a platform release of a back-end application for request handling on a SOAP XML facade service

  - Allowed me to apply my knowledge of recursive definitions and file parsing while also picking up many new skills, including cross-thread UI callbacks, asynchronous iteration and improved model-view-controller separation

  - Took direction along the way from supervising developers and adapted as necessary to dynamic feedback

  - Presented final working application to supervisors in the Development and QA departments, as well as LifeYield's CEO and CTO

  - *I will be returning to LifeYield for more work in the summer of 2016.*

- Technip Research Center   Job Shadow   September 2015

SKILL PROFICIENCIES

With respect to my computer science experiences…

- Proficient implementation of a diverse array of object-oriented C-based languages as well as other forms

  o Java *(including Android development)*, C#, Objective-C *(including iOS development)*, HTML *(including web development)*, JavaScript, Python, CSS, XML *(including database implementation with pre-existing SQL server tools)*

- Comfort with various version control services to enhance inter-developer collaboration, including standard SVN and GIT interfaces

- Server management with SSH file updates

- Flexibility between both GUI and native console applications

  o Implementation of MVC conventions when working with GUI interfaces

- Diverse use of command line tools and custom shell scripts

- Currently developing iOS application WildcatConnect that will replace many outdated announcement methods currently used at my high school; will serve as productivity/alerts app or students, faculty and families; set for beta testing in mid-November 2015

REFERENCES

For further links and documentation accompanying said experiences and achievements, please visit my website at http://www.kevinalyons.com.