

# Daniel G. Gonzalez

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## Education

### Massachusetts Institute of Technology (MIT)

Cambridge, MA

CANDIDATE FOR S.B. IN ELECTRICAL ENGINEERING & COMPUTER SCIENCE

Expected May 2020

Relevant Coursework: Principles & Practice of Asst. Tech, Computer Systems Engineering, Software Construction, {Feedback, Embedded} Systems, Computation Structures, Organizational Processes, Machine Learning, Ethics for Engineers, & Engr. Leadership

## Experience

### Microsoft

Cambridge, MA

SOFTWARE ENGINEERING INTERN (LOWKEY PROGRAM MANAGEMENT INTERN)

May 2019 - August 2019

- Wrote feature to not only report how O365's legacy functional testing tool trims test cases but to help engineers learn how it works
- Redesigned project proposal to combine goals of project manager & ideas of engineers by bringing both perspectives together
- Refactored legacy code to improve test coverage and readability, got React working with 18yr-old ASP.NET to allow further progress

### Lyve Digital

Bangkok, Thailand

SOFTWARE ENGINEER

December 2018 - February 2019

- Dissected grand project vision into negotiated tasks and objectives capable of completion within time and engineering constraints
- Developed multi-threaded Python package that, given a list of keywords, would visit google-recommended sites and extract important text and filter out HTML Boilerplate for the purpose of raw data collection used to generate related keyword recommendations

### Microsoft

Cambridge, MA

EXPLORER INTERN (SOFTWARE DEVELOPER AND PRODUCT MANAGER EXPERIENCE)

May 2018 - August 2018

- Improved engineering practices by decoupling, redesigning, & deploying an engineering metrics tool for Office365 Organization
- Designed a better experience with the tool after conducting interviews with employees and experimenting with mockups
- Practiced concepts of Agile Development, including TDD, ATDD, Pair Programming, Daily Standups, etc

### W8X Inc.

Cambridge, MA

SOFTWARE ENGINEERING INTERN, TEAM MEMBER

December 2017 - February 2018

- Worked before internship start to improve and restructure hardware code, enabling increased performance for workout system
- Researched and experimented with different front-end frameworks to lay the foundation for the W8X System user interface
- Continued work with W8X to develop a Leaderboard System for Gym Classes at Soho Strength Labs before returning to school

## Programs and Leadership

### MIT Interfraternity Council

Freshman Year to Senior Year

JUDICIAL COMMITTEE CHAIRMAN & SECRETARY

2016-Present

- Worked with Fraternity, Sorority, and Independent Living Group Office and the Committee of Discipline at MIT to facilitate the Judicial Process for the MIT Fraternity Community by training and leading a Judicial Committee Board that reviews complaints and sanctions
- Championed policy revisions and provided transparency that has improved safety of Greek community; overall reducing complaints

### MIT Gordon Engineering Leadership Program

Junior Year to Senior Year

TEAM COACH, COMMUNICATIONS TEAM, PARTICIPANT

2018 - Present

- Developed leadership, teamwork, and communication skills in a selective leader development program for engineering undergrads
- Actively coach, advise, role model, and assess the performance of a 5-7 person team of first year GEL Program engineering students
- Highly immersive two-year curriculum; mentored by specialized MIT educational staff

### HackMIT Organizing Committee

Senior Year

CORPORATE RELATIONS, LOGISTICS, DEV TEAM

2018 - Present

- Worked with team to re-design the goals and purpose of the event by proposing and advocating for experimental tracks system
- Designed a tool to match students hosting hackers that complies with MIT's strict requirements for accommodating non-students

## Skills and Interests

<b>Programming</b>	Python, C#, Java, Javascript, C/C++, Git, UX & UI, SQL, $\LaTeX$ , Unix/Linux, ASP.Net, React, Typescript, BlueSpec
<b>Media and Design</b>	Photography, Videography, Lightroom, Photoshop, CorelDraw, Illustrator, Graphic Design
<b>Extra Curriculars</b>	Kappa Sigma Fraternity, SHPE, HackMIT, MIT Technique, First Robotics Competition, Boy Scouts
<b>Interests</b>	Assistive Tech, Social Media & Communication, IoT, Society & Science, Teaching, Religion, EDM, DJing, Leadership