

# Brian Margolis

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## EDUCATION

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**Northwestern University - McCormick School of Engineering and Applied Sciences** **Evanston, IL**

*B.S. Computer Science*

Sep. 2015 – June 2018 (*completing B.S. in 3 years*)

- **GPA:** 3.6; **Honors:** Dean's List
- **Relevant Coursework:** Intro to AI, Databases, Algorithms, Machine Perception of Music and Audio; Human Computer Interaction; Data Structures and Management; Mathematical Foundations of Computer Science; Intro to Computer Systems; Fundamentals of Programming I/II; Cognitive Modeling; Honors Engineering Analysis I/II/III

**Orange High School**

**Pepper Pike, OH**

- **GPA:** 4.42; **ACT:** 35 Aug. 2011 – May 2015
- **Honors:** National Merit Finalist, Top 10% of Class, National Honor Society (Vice President), Highest Honors

## TECHNICAL SKILLS

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- **Languages:** Java, Python, C/C++/C#, Racket, MATLAB
- **Web development:** HTML, CSS, Javascript, JQuery, Bootstrap
- **Other:** SQL, PostgreSQL, AWS, Bash scripting

## WORK & LEADERSHIP EXPERIENCE

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**Dearborn Supply**

**Cleveland, OH**

*Technology Team Lead*

June 2015 – Pres.

- First employee of Dearborn Supply, a start-up e-commerce retailer that now has a dozen employees; responsible for developing all technologies used by the firm.
  - Developed a full suite of applications that automatically store and process data on inventory levels, prices, competitor prices, as well as order and customer information.
  - Created a powerful tool that parses a vendor SKU list and gathers necessary information from Amazon to rapidly calculate profitability and sales volume for each SKU, allowing business analysts to rapidly make decisions regarding whether to sell a certain product.
  - Designed a dashboard with order, revenue, and profitability metrics upon feedback from business analysts and the CEO that there was a lack of visibility into company performance.
  - Built a compensation tracking system, allowing the company to move towards a commission-based pay system and away from an hourly wage.
  - Used the following technologies: Java, Python, PostgreSQL, AWS, and Amazon's MWS API.

**BBYO Inc.**

**Various Cities**

*Songleader*

Nov. 2015 – Pres.

- Songleader for BBYO, the world's largest youth leadership movement.
  - Facilitated music-related programming, led services, and trained young songleaders at Chapter Leadership Training Conferences (2-week summer programs that develop and strengthen leadership skills in the 100 teen participants)
  - Served as a member of a team responsible for all music at an international convention of over 5000 teens, staff, and other stakeholders.

**Mandel JCC Day Camps**

**Burton, OH**

*Songleader and Music Specialist*

June 2015 – Aug. 2015

- Songleader and Music Specialist for a day camp serving over 700 K-9<sup>th</sup> campers throughout the summer.
  - Led all music activities, engaging campers throughout the summer to provide a fun and educational experience.
  - Worked with a special needs camper who showed musical potential and interest.
  - Developed and released a new and updated songbook.

## ACTIVITIES & INTERESTS

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**Activities:** Dance Marathon Tech and Analytics Committee - Head of Data Engineering (2 yrs.); Delta Chi Fraternity - 2017-18 House Manager, 2016 Homecoming Chair; Northwestern Hillel - Songleader

**Interests:** artificial intelligence, accessible technology, music composition and performance, manufacturing and design