

# RYAN McHENRY



## CONTACT

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## SKILLS

### PROGRAMMING

Javascript ■■■■■  
Python ■■■■■  
HTML5 ■■■■■  
CSS3 ■■■■■  
SQL ■■■■  
C (#/++) ■■■  
Java ■■

### PRODUCT

Program Management  
UI/UX Development  
Cross Platform Design  
Interactive Prototyping  
Version Control

## COURSES

Human Computer Interaction  
Artificial Intelligence Design  
Machine Learning Practicum  
Machine Perception of Audio  
Data Structures & Algorithms  
Rapid Application Prototyping  
Object Oriented Programming  
Analytics Entrepreneurship  
IoT Device Development  
Program Management  
Computer Networking

## ACTIVITIES

Northwestern University  
Men's Water Polo - Captain  
Phi Delta Theta Fraternity -  
Philanthropy Chair  
Northwestern University  
Symphony Orchestra  
Central Bucks Special  
Olympics Swimming- Coach

## EDUCATION

**Northwestern University** B.S. 3.5 GPA - Class of 2019  
**Weinberg College of Arts and Sciences** - Major in Computer Science  
**Bienen School of Music** - Major in Music Engineering, Minor in Technology  
**McCormick School of Engineering** - Farley Entrepreneurship Certificate

**Pennsbury High School** Fairless Hills, PA - Class of 2015  
**Valedictorian Speaker** - Class Honors in Music Theory and English  
**Collegeboard AP Scholar with Distinction** - 9 AP Credits Earned  
**NAFME All-National Ensembles** - 3 time Qualifier, Percussion

## EXPERIENCE

### Blueprint Alpha Product Manager (2018 - Present)

Leading team of six designers and developers in building decentralized web applications and software products. First hire for Chicago-based startup founded by former Facebook engineer and Grubhub co-founder ([blpt.co](http://blpt.co))

### Mission Measurement Product Development Engineer (2018)

Hired and managed team of 3 developers for Chicago-based company striving to analyze impact of non-profit social programs. Funded by Gates Foundation, Google, Chan Zuckerberg Initiative ([missionmeasurement.com](http://missionmeasurement.com))

## PROJECTS

### HNGR. Cooperative Food Delivery (2019)

Lead product designer and developer for decentralized food delivery app utilizing a cooperative business model to support local business. Currently expanding sales, over 10 restaurants in Chicago and New York ([hngr.co](http://hngr.co))

**Technology** - PWA Framework, React, Node, Python, PostgreSQL

### Predictive Politics Election Prediction Application (2019)

Engineer for machine learning powered application to predict user's political alignment. Implemented Twitter scraping and Bayesian network algorithms. Built at Northwestern Univ. with Prof. Larry Birnbaum ([platformpolitics.com](http://platformpolitics.com))

**Technology** - Tweepy, SciKit Learn, React, Node, Python, Pickle

### Impact Genome Project Non-Profit Analytics Platform (2018)

Head engineer for web application analyzing impact of non-profit social programs. Emphasized data visualization and user experience to bring product to market after five year research process ([impactgenome.org](http://impactgenome.org))

**Technology** - React, Node, Python, MySQL, Amazon EC2

## VOLUNTEERING

### TEDxChicago Speaker Coordinator (2017 - Present)

Managed curation and coordination of speakers for two TEDx conferences and one additional TEDxWomen conference. Selected as panelist for Chicago TEDx Pitch Sessions at Willis Tower and 1871 Startup Hub ([tedxchicago.com](http://tedxchicago.com))

### TEDxNorthwesternU Executive Director (2015 - 2018)

Organized and curated three TEDx conferences featuring 36 speakers and performance groups. Led organization to 40% greater sales, 42% larger board, 60% increased fundraising over tenure ([tedxnorthwesternu.com](http://tedxnorthwesternu.com))