

# T.Y. MICHAEL CHEN



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## WORK HISTORY

JUN 2016 -  
PRESENT

### ● Software Engineer // Zanbato

- Core engineer in creating the first alternate trading system (ATS) to trade pre-IPO companies. Designed and developed a scalable system to handle and display \$5bn+ of private market volume.
- Architected and drove development for the real-time core messaging service, which is responsible for over 90% daily user visit and time spent on platform.
- Manage and mentor 3 engineers to architect new features and serve as the go to resource for any issues and discussions.

JUN 2015 -  
JUN 2016

### ○ Software Engineer & Product Designer // IBM

- Engineer & product designer on Analytics Platform. Launched a new data science workbench solution and contributed to Apache Zeppelin.
- Rapidly prototyped mobile apps, conducted 20+ user research interviews to understand business needs, helped align design & engineering, led discussions on technical feasibility and tradeoffs.

SEP 2014 -  
DEC 2014

### ○ Software Engineering Intern // HealthEngine

- Built features for the Search Platform like location mapping & mobile rendering to provide users with accurate insurance and doctors.
- Refactored legacy code, improved test coverage and participated in architecture discussions regarding optimizing platform performance.

JUN 2014 -  
SEP 2014

### ○ Software Engineering Intern // 4CInsights

- Developed algorithms and modeled data for auto-optimization on ad buying based on user engagement and behavior.
- Created a pipeline that collects Facebook ad activity & statistics to be used to train and optimize the ad purchasing proprietary algorithm.

JUN 2013 -  
SEP 2013

### ○ Bioinformatics Intern // MD Anderson Cancer Center

- Developed an algorithm based on previous research and statistical algorithms to explore detection of cancer related to genomic architecture and chromosomal interactions.
- Created a computational pipeline reads genomic data and provide insights & visual plots about spatial architecture of the chromosome.

## LEADERSHIP & PROJECT EXPERIENCE

MAR 2017 -  
PRESENT

### ● Co-Founder and CTO // Braindump

- Currently developing a mobile app tackling mental hygiene to better handle information overload and improve clarity and productivity. Architecting and designing a system that is built for scale, mobility, and instant information retrieval.

MAR 2013 -  
APR 2015

### ○ President // EPIC (Student Entrepreneurship Organization)

- Led and recruited over 40 students to create development programs and pitch competitions. Raised and managed over \$150,000 of sponsorship dollars for the organization and its programs.
- Founded Northwestern's largest hackathon (WildHacks), which had 450+ students participate & over \$70,000 of funding from sponsors.

## EDUCATION

### Northwestern University

GPA: 3.84 (Magna Cum Laude)

Class of 2015 | Evanston, IL

Major in Biological Science

Minor in Computer Science

Certificate in Entrepreneurship

## SKILLS

### Programming Languages

Python

Javascript

Java

Swift

C++

### Databases

PostgreSQL

MySQL

MongoDB

### Web

React.JS

Ruby on Rails

Django

HTML

CSS

Angular.JS

Node.JS

## AWARDS

### Northwestern University

Magna Cum Laude

Weinberg Computer Science  
Advisory Board

Undergraduate Research  
Grant

Dean's List

### IBM

Outstanding Innovation  
Award