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.
- Mentor and lead 3+ engineers and serve as go-to resource for any technical problems 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