

MICHAEL CHEN

📍 San Francisco, CA

🌐 www.tymichaelchen.com

✉️ TYMichaelChen@gmail.com

📞 832-769-9111

WORK EXPERIENCE

JUN 2016 -
PRESENT

● **Software Engineer // Zanbato**

- Developed and launched the first alternate trading system platform (Python) to trade shares in pre-IPO companies, which grew to handling \$9+ billion dollars of market volume in 2 years.
- Architected and led development on creating a secure websocket messaging and notification service, which is responsible for over 90% daily user retention and engagement on the trading platform.
- Contributed in product ideation for user acquisition strategies and oversaw deployment of concepts such as market trading floor representatives, leading to 100% user growth each quarter.
- Mentor and lead 4 engineers and serve as go-to resource for any technical problems and discussions.

JUN 2015 -
JUN 2016

○ **Software Engineer // IBM Watson Data Platform**

- Participated in the product exploration phase of a new data science solution similar to iPython. Conducted 20+ user interviews and led technical feasibility discussions to align business goals.
- Contributed to the open source community (Apache Zeppelin) and established relationships with the core contributors to provide assistance with design direction and future product roadmap.
- Received prestigious *IBM Outstanding Innovation Award* in recognition for pushing for implementing the latest technology and product design to existing solutions and helping to reinvent IBM.

JUN 2014 -
SEP 2014

○ **Software Engineering Intern // 4CInsights**

- Developed new analytics services (Python) to automatically collect Facebook Ads activity to analyze correlations with advertisement engagement and train the proprietary purchasing algorithm.

JUN 2013 -
SEP 2013

○ **Software Engineering Intern // MD Anderson Cancer Center**

- Researched and created a statistical algorithm to classify genomic architecture & patterns of cancer.
- Developed a computational data pipeline (Python) to ingest 10GB+ of genomic data and generate visual insights (CIRCOS Plots) on the overall spatial architecture of the chromosomes.

EDUCATION & SKILLS

JUN 2011 -
JUN 2015

○ **Northwestern University // Evanston, IL // GPA: 3.84 // Magna Cum Laude**

- **Academics:** Biological Sciences & Computer Science, Certificate in Entrepreneurship
- **Awards:** Computer Science & Entrepreneurship Advisory Board Member, Undergraduate Research Grant
- **Programming Languages:** Python, Java, Javascript, Swift, PostgreSQL, MySQL, MongoDB
- **Web Development:** HTML, CSS, Django, React.JS, Angular.JS, Ruby on Rails, Node.JS

LEADERSHIP & PROJECT EXPERIENCE

MAR 2017 -
PRESENT

● **Co-Founder and CTO // BrainHub Inc.**

- Architect and develop a scalable infrastructure (Python) and mobile app (Swift) to tackle personal productivity data analytics and generate personalized insights to decrease mental overload.

JUN 2013 -
DEC 2014

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

- Led and recruited over 40 students to create entrepreneurship development programs such as pitch competitions. Raised and managed over \$150,000 of sponsorship dollars for the organization.
- Founded Northwestern's largest hackathon (WildHacks), which had 450+ students participate & over \$70,000 of funding from sponsors. Formed an annual partnership with Major League Hacking.