MICHAEL CHEN

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WORK EXPERIENCE

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 infrastructure to handle $9bn+ of private market volume.
- Architected and led development on the secure core messaging service, which is responsible for over 90% daily user visit and time spent on the trading platform.
- 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

- Engineer on the exploration phase of a new data science workbench. Conducted 20+ user interviews to understand user needs and led discussions on technical feasibilities to help align business goals.
- Recipient of IBM Outstanding Innovation Award in recognition of leading contributions to the open source community (Apache Zeppelin) and creating innovative software & 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 engagement and train the proprietary purchasing algorithm consume Facebook user
- Created a pipeline to automatically collect Facebook Ads activity & statistics used to train and optimize the proprietary optimized ad purchasing algorithm.

JUN 2013 - SEP 2013

Bioinformatics Intern // MD Anderson Cancer Center

- Created a statistical algorithm to classify genomic architecture and interactions in relation to cancer. patterns of cancer related to genomic architecture and interactions.
- 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 Members, 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.