MICHAEL CHEN

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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 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.