Eric Yang

Engineering Honors Computer Science Student at Texas A&M

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EXPERIENCE

MICROVENTURES | Due Diligence Intern
JUL 2021 – PRESENT | Austin, TX

- → Researched and written summary information on companies being offered to investors, preparing all necessary information for users of the platform to gauge the long-term potential of a company on tight deadlines
- → Conducted analysis on offerings on the platform that grew to be vastly successful such as Sila Nanotechnologies—raising $655K in 24 hours
- → Collaborated effectively with other analysts to produce well polished and reliable documents serving as an investor's first glance at a venture opportunity

MSBAI | Artificial Intelligence Intern
AUG 2019 – SEP 2020 | Los Angeles, CA

- → Developed artificial intelligence model that generates settings for non-expert users which removes technical barrier and saves an average of $10,000 per project
- → Constructed standardized benchmarks to compare Auto Machine Learning model prototypes. The project was chosen by the U.S. Air Force for the $1 million AFWERX Small Business Innovation Research contract
- → Collaborated on project progress and provided weekly update to the team working with core engineers to trouble shoot
- → Built machine learning model from scratch for the example data set as another standard for the comparison of the AutoML models at the age of 17

RESEARCH PUBLISHED ON SOLAR ENERGY, ELSEVIER | First Author
MAY 2019 - JUN 2020 | Springfield, VA

- → Theoretically compressed Double Perovskites $A2BB'X6$ to improve performance as a solar cell material
- → Decreased the bandgap of crystals by up to 35%, largely increasing the viability of these crystals to be used as solar cell materials
- → Discussed the preparation of an environmentally friendly material as a solar cell material to reduce pollution from solar energy production
- → Condense key information from 300+ academic articles in ten weeks
- → Published in the journal Solar Energy hosted on Elsevier with a 5.742 impact factor score and 4 citations in 2 years at the age of 17

LEADERSHIP

CODEPATH TECH FELLOW | Cybersecurity Course
OCT 2021- PRESENT

- → Instruct an introduction to cybersecurity class emphasizing on web vulnerabilities
- → Prepare course material to ease students into difficult and abstract concepts
- → Marketed course that helped increase the total applications to 100+ students
- → IDOR • Sessions • XSS • SQL Injection • Crypto • User Authentication

DISCORD ENTERTAINMENT BOT | Lead Developer - Python
DEC 2020 - PRESENT

- → Conceptualized project to encourage community engagement and activity
- → Organized team of four developers behind the bot that serves over 65K users
- → Features and brings a unique twist to user's economy, activity leaderboard, collectible figures, birthday reminders, moderation tools and much more

EDUCATION

TEXAS A&M UNIVERSITY
B.S. in Computer Science
Engineering Honors
AUG 2021 - PRESENT | College Station, TX
GPA: **4.0**/4.0
Graduation: **2025**

SKILLS

PROGRAMMING
Python • Java • C++ • SQL

TOOLS/PLATFORMS
Git • Google cloud • Burp Suite • Linux • TensorFlow • NumPy • Pandas • Matplotlib

COMMUNITY INVOLVEMENT

Cybersecurity Club
AUG 2021- PRESENT
- Practical experience in reverse engineering, penetration testing, OSINT
- Contribute to marketing by creating promotional media and events

Capture the Flag Competitions
SEP 2021 - PRESENT | Team of Four
- Cybersecurity Club CTF - 1st
- NCL - 100% Team 93% Solo
- MetaCTF - 18th Nationally
- NSA Codebreakers Challenge - Task 6
- BuckeyeCTF - 2nd Place U.S. Undergrad Category

Samsung Innovation Campus Artificial Intelligence
NOV 2021 - PRESENT
Establish AI fundamentals as 1st generation US SIC student

TAMUHack
SEP 2021, JAN 2022 | Team of Four
- Won Best UI in 24 hour hackathon in a team of four
- Programmed game logic and core mechanics