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

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

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 over 90 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 64K 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