

# Eric Yang

Engineering Honors Computer Science Student at Texas A&M

 erichyang.dev  erichyang  erichyang  eric@erichyang.dev

## EXPERIENCE

### MICROVENTURES | VENTURE CAPITAL 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 - 1<sup>st</sup>
- NCL - 100% Team 93% Solo
- MetaCTF - 18<sup>th</sup> Nationally
- NSA Codebreakers Challenge - Task 6
- BuckeyeCTF - 2<sup>nd</sup> 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