# JEFFREY MA

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## EDUCATION

**Yale University**                                                                                               New Haven, CT
B.S. in Computer Science and Mathematics (Expected 2022)
GPA: 3.95

**Edgemont High School**                                                                                          Scarsdale, NY
GPA: 5.54
Cum Laude
National Merit Finalist

## PROFESSIONAL EXPERIENCE

**dcyphr.org**                                                                                       *October 2019 – Present*
*Founder*
- Founded startup that aims to decode scientific literature and make it more accessible for the general public.
- Built an open-source platform in Flask/PostgreSQL that allows users to browse and contribute summaries of articles.
- Received a grant from 1517 fund for $1,000.
- Managed three separate teams working on software engineering, scientific journalism, business operations.

**Cognitive & Neural Computation Laboratory**                                                        *October 2019 – Present*
*Research Assistant*
- Used computational modeling to understand how people perceive objects in their environment.
- Assisted with testing computational models of perception.
- Generated artificial worlds using a sophisticated physics engine in Python.

**Yale Undergraduate Real Estate Group**                                                           *September 2019 – Present*
*Treasurer*
- Organized financial workshops to onboard new members.
- Applied for and managed a budget of $1,000 acquired through university funding.

**Yale Undergraduate Diversified Investments**                                                     *September 2019 – Present*
*Member*
- Participated in weekly classes that taught financial concepts.
- Learned how to read financial statements.
- Built basic financial models.

**Yale Net Impact**                                                                               *October 2019 – March 2020*
*Team Member*
- Researched non-profit market in order to advise an Educate2Envision on potential scaling strategies.
- Created and presented strategies to client for engaging in corporate sponsorship.

**Yale New Haven Hospital Vascular Surgery,** New Haven, CT                                           *October 2018 – May 2019*
*Research Assistant*
- Design and conduct clinical experiments for vascular surgery patients.
- Gained patient experience through consenting patients for participation in clinical studies.
- Shadow surgeons in the vascular surgery department to gain a strong understanding of multiple surgical procedures.
- Participate in department and laboratory meetings.
- Collect and analyze data in the form of thermal photographs.

**Roosevelt Institute,** Yale University, CT                                                          *October 2018 – May 2019*
*Research Associate*
- Conduct policy research regarding property tax policy in New Haven to be published.
- Collect and analyze property tax data using R.
- Present research during center meetings and help coordinate decisions of future steps.

**Regeneron Pharmaceuticals,** Tarrytown, NY                                                         *June 2016 – August 2018*
*Research Intern*
- Design scientific projects that model rare diseases *in vitro* based on genetic associations identified by literature and internal studies.
- Perform laboratory experiments including cell culture, RT-PCR, Western blot, immunoprecipitation, etc.
- Interpret data in a rigorous manner to draw conclusions about potential therapeutic applications and future steps.
- Present results to colleagues that clearly outlines the motivation, rationale, and conclusions of the study.
- Attended training seminars on drug discovery and business strategy in the pharmaceutical industry.

## SKILLS/CERTIFICATIONS
- Highly skilled in C, Python, SQL, JavaScript, and R.
- Laboratory skills including RT-PCR, Western blot, etc.
- Trained in three statement modeling and DCF.
- Working proficiency in Spanish and Mandarin.