Jonathan Chuang

jochuang@umich.edu | (248) 205-8137 | 4586 Lehigh Drive, Troy, MI

EDUCATION

University of Michigan Ann Arbor, MI

Expected graduation: April 2022

- GPA: 3.85/4.0
- Major: Computer Science & Minor: Spanish
- Relevant courses: EECS 281, EECS 370, EECS 376, EECS 201, STATS 280
- Interests: Sports analytics, data science, software development, machine learning
- Clubs: Wolverine Sports Analytics, Hoops for Hope, Varsity Women's Basketball practice team

EXPERIENCE

Wolverine Sports Analytics - *Member* Ann Arbor, MI

September 2019 - Present

- Web-scraped HTML files from HerHoopsStats.com using Python to extract college women's basketball statistics and create a database on MySql Pro
- Manipulated different statistics from the databases to create algorithms to predict the likelihood of Michigan's Women's Basketball Team to beat any opponent
- Congregated with other club members twice a week to code, present recently pushed code on GitHub, and establish next goals

W. K. Kellogg Eye Center - *Assistant in Research* Ann Arbor, MI

May 2019 - Present

- Developed a video analysis protocol involving ImageJ and Microsoft Excel to quantify the distal venous outflow system in surgery videos of glaucoma patients
- Analyzed in vivo canaloplasty surgery videos using said analysis protocol to determine a relationship between the density of the outflow system and success rate of surgery
- Assisted in weekly porcine eye experiments by dissecting pig eyes and collecting data from a laser imaging system to calculate stress/strain in the eyes' sclera
- Deliberated in biweekly team meetings to discuss the project's progression and future objectives

Hoops for Hope - *Media Chair* Ann Arbor, MI

April 2019 - Present

- Designed Hoops for Hope's website using WordPress to provide (future) members with an overview of the club's projects, goals, and E-Board members
- Hosted biweekly basketball clinics for local Ann Arbor elementary school kids to build stronger connections with the local community and to promote exercise & fun

SKILLS

- Coding (C++, C, Python, R, Git), OS (Macintosh & PC), Linux, Git, Microsoft Office
- Languages (Mandarin - conversational & Spanish - basic)
- Teamwork, quick learner, open-minded, responsible, prompt