

# Jonathan Chuang

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## EDUCATION

University of Michigan

2018 – 2022 | Ann Arbor, MI

College of Literature, Science  
and the Arts, B.S

Major: Computer Science

Minor: Spanish

GPA: 3.86 / 4.00

## COURSEWORK

Data Structures & Algorithms

Foundations of Computer  
Science

Computer Organization

Discrete Math

Honors Statistics

## SKILLS

Programming Languages:

React, JavaScript, C/C++,  
HTML/CSS, Python, SQL

Tools:

Linux, GitHub, WordPress,  
Google Analytics, Postman,  
Netlify, Figma, Docker

Languages:

Spanish (intermediate),  
Mandarin (conversational)

## EXTRACURRICULARS

Wolverine Sports Analytics

Hoops for Hope

Varsity Women's Basketball  
Practice Team

## EXPERIENCE

**LeaseMagnets (Ann Arbor SPARK)**, *Software Engineering Intern*

Jun 2020 – Aug 2020 | Ann Arbor, MI

- Automated manual email notification system to alert clients immediately after receiving a new lead, **reducing buffer time by 15 minutes per email**
- Integrated **Stripe** payment page to allow customers to pay & change subscription plans via their dashboard
- Produced video customization page to provide clients full control over video tour content & style, **decreasing production workflow by 48 hours per video tour**

**Wolverine Sports Analytics**, *Project Lead*

Sep 2019 – Present | Ann Arbor, MI

- Web-scraped HTML files from HerHoopsStats.com to extract college women's basketball statistics & create a **database on MySQL Pro**
- Created **predictive analysis model** by manipulating player & team statistics to predict the likelihood of Michigan's Women's Basketball Team to beat any opponent

**Hoops for Hope**, *Media Chair*

Apr 2019 – Present | Ann Arbor, MI

- Developed club's website, replacing old WordPress site, to establish full control over site content & theming while **saving ~\$300 annually**
- Promoted events to Michigan undergraduates through club's LinkedIn, Instagram & Facebook accounts, increasing clinic **volunteers by ~200%** and average post **engagement by ~150%**

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

May 2019 – Feb 2020 | Ann Arbor, MI

- Developed a video analysis protocol involving ImageJ and Microsoft Excel to quantify the distal venous outflow system in surgery videos of glaucoma patients
- Analyzed 18 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

## PROJECTS

**QuickLinks** 🔗

Created Chrome Extension to administer a faster way to access most used URLs & copy-and-paste them into job applications & emails

**SafeSpace Services** 🔗

Constructed e-commerce WordPress website for local disinfectant services company to generate online revenue amid COVID-19 pandemic

**Click Industrial** 🔗

Built e-commerce Lightspeed website for local industrial supplier company to simplify existing phone call ordering method