

# Jonathan Chuang

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## EDUCATION

University of Michigan

April 2022 | Ann Arbor, MI

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

Major: Computer Science

Minor: Spanish

GPA: 3.89 / 4.00

## COURSEWORK

Operating Systems

Web Systems

User Interface Development

Computer Organization

Data Structures & Algorithms

Discrete Math

## SKILLS

Programming Languages:

React, Node.js, JavaScript,  
C/C++, HTML/CSS, Python, SQL

Tools:

Git, AWS, Linux, DynamoDB,  
Firebase, Figma, Postman, Jest,  
Docker, Netlify, Google Analytics

Languages:

Spanish (intermediate),  
Mandarin (conversational)

## EXTRACURRICULARS

Eta Kappa Nu (HKN)

Hoops for Hope

Varsity Women's Basketball  
Practice Team

## EXPERIENCE

Capital One, Software Engineering Intern

May 2021 – August 2021 | Richmond, VA

- Integrated data dictionary into existing credit card policy builder site, **shortening** data analysts' **search time** for policy definitions **by 50%**
- Utilized **Amazon Elasticsearch API** to incorporate lifecycle management system for credit rules/rulesets, allowing data analysts to track stage of created rules/rulesets
- Composed unit and behavioral tests, ensuring **100% code coverage**

LeaseMagnets, Returning Software Engineering Intern

January 2021 – May 2021 | Ann Arbor, MI

- Leveraged **Coconut API** to facilitate video transcoding and to support upload from iOS devices, **shortening** video creation **time by 5 minutes**
- **Designed** and **prototyped** feedback system to increase clients' quantity of recent Google reviews after staff interactions with residents
- Developed customizable virtual tour feature, streamlining apartments' ability to personalize tours and send to leads
- Modernized dashboard video player to **improve accessibility** by adding bigger video controls, display toggle, and fullscreen capability

LeaseMagnets, Software Engineering Intern

June 2020 – August 2020 | Ann Arbor, MI

- Automated email notification system to alert clients after receiving a new lead, **reducing email creation time by 10 minutes per email**
- Produced video creation page to authorize clients full content control, **decreasing production workflow by 48 hours per video tour**
- Integrated **Stripe API** to allow customers to pay and change subscription plans via dashboard

Wolverine Sports Analytics, President since June 2021

September 2019 – Present | Ann Arbor, MI

- Oversaw web development team to revamp club website and assemble meeting attendance tracking system
- Created **predictive analysis model** by manipulating player & team statistics to predict likelihood of Michigan's Women's Basketball Team to beat any opponent **with 80% accuracy**
- **Web-scraped** HTML files from HerHoopsStats.com to extract college women's basketball statistics into **MySQL Pro database**

## PROJECTS

QuickLinks [🔗](#)

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

Hoops for Hope Website [🔗](#)

As the Media Chair, developed club's website to control entire tech stack, saving ~\$300 annually by retiring old WordPress club website

493jack [🔗](#)

Produced an online game inspired by Blackjack using human-centered design principles with 2 other classmates