

Michael Yu

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EDUCATION

UT AUSTIN

Turing Scholar
BS, CS + Mathematics
Expected May 2021 | Austin, TX
GPA 3.83/4.00

LINKS

GitHub: github.com/mi-yu
LinkedIn: [linkedin.com/in/mi-yu](https://www.linkedin.com/in/mi-yu)
StackOverflow: [mi-yu](https://stackoverflow.com/users/mi-yu)

COURSEWORK

HONORS COURSES

Artificial Intelligence
Computer Architecture
Data Structures
Discrete Mathematics
Network Security
Operating Systems
Quantum Information Science

OTHER

Algorithms
Competitive Programming
Introduction to Mathematical Statistics
Matrices
Number Theory
Probability
Virtualization

SKILLS

LANGUAGES

- JavaScript/TypeScript
- Python
- Java
- C/C++
- Rust

FRAMEWORKS/TOOLS

- React, Redux, Jest
- AWS
- Docker, Kubernetes
- Redis
- scikit-learn

EXPERIENCE

GODADDY | SOFTWARE ENGINEERING INTERN

June 2019 - August 2019 | Kirkland, WA

- Built and deployed new GoDaddy video learning center to production: www.godaddy.com/how-to. Within 1 month of launch, How-To has doubled video play rate from **23% to 48%**. Built with Next.js, Express, and Kubernetes, meets progressive web app standards.
- Leveraged Dialogflow and LiveEngage to develop new chatbot React component to be used across GoDaddy pages/products.

DRAPED.CO | FOUNDING DEVELOPER

March 2019 - Present | Austin, TX

- Full-stack development for runway fashion discovery/curation startup draped.co. Designed/contributed to: automatic price scraper for designer pieces using AWS Lambdas, UI component library, impression/event tracking service.
- Leveraged machine learning techniques for image segmentation, labeling, and classification of runway model photos/
- Built with React, Flask, PostgreSQL, scikit-learn, Redis, Docker, CircleCI, hosted on AWS infrastructure.

WP ENGINE | SOFTWARE ENGINEERING INTERN

June 2018 - December 2018 | Austin, TX

- Converted legacy, hard-to-test CoffeeScript in WP Engine User Portal to unit-testable ES6 modules.
- Built endpoints/tests for Customer API that allows users to programmatically interact with their installs using Rails and Terraform.
- Created WordPress themes catalog built with server-rendered React, Jest, and integrations with StudioPress' REST API.

PROJECTS

GENTRIFICATION PREDICTION

- Used machine learning techniques (random forests, k-means) to predict gentrification risk for Travis County, TX using US Census data from 1990-2010.
- Our predictions highlighted East Austin and South Congress as having highest risk for gentrification, matching UT Center for Sustainable Development studies and empirical observations.

SCORESHEETS.IO

- Full-stack scoring and team management solution for Science Olympiad tournaments. Scoresheets.io was used at 4 Texas tournaments serving 3000+ competitors/coaches, and released free to Science Olympiad community.
- Built with MongoDB, Express, React + Redux, and hosted on AWS infrastructure.

AWARDS

HACKTX 2018 AMERICAN AIRLINES CHALLENGE - 2ND PLACE

Sept 2018 | Austin, TX

- Built web app that guides unaccompanied minors the air travel process with intuitive maps and drawings using React, MongoDB's Stitch serverless platform, and American Airlines mock data engine.

ORGANIZATIONS

TANDEM STUDIO | DEVELOPER/DESIGNER

Sept 2018 - Present | Austin, TX

- Tandem Studio is a student-run design studio providing branding, web development, logo, and design services for local businesses and student organizations.
- Communicated directly with clients to critique and iterate on designs.