

Michael Yu

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EDUCATION

UT AUSTIN

Turing Scholar
BS, Computer Science
Expected May 2021 | Austin, TX
GPA 3.84/4.00

LINKS

GitHub: [mi-yu](#)
LinkedIn: [mi-yu](#)

COURSEWORK

HONORS COURSES

Data Structures
Discrete Mathematics
Computer Architecture
Introduction to CS Research
Operating Systems
Quantum Information Science

OTHER

User Research
Introduction to Prototyping
Matrices
Probability I
Competitive Programming

SKILLS

LANGUAGES

- JavaScript/Node
- CSS/SCSS
- MongoDB
- Java
- TypeScript
- Ruby
- C/C++
- Rust

FRAMEWORKS/TOOLS

- Express, React, Redux, Jest
- Rails
- Git
- Heroku/AWS
- CircleCI/Jenkins

EXPERIENCE

WP ENGINE | SOFTWARE ENGINEERING INTERN

June 2018 - Present (Now Part-Time) | Austin, TX

- Converted legacy, hard-to-test CoffeeScript in WP Engine User Portal to unit-testable ES6 modules
- Built endpoints/tests 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
- Embedded on scrum team with full-time engineers, participated in all scrum ceremonies

PROJECTS

SCORESHEETS.IO

- Sole developer of full-stack score and team management solution for Science Olympiad tournaments
- Used at 3 Texas tournaments impacting 3000+ competitors/coaches, and released free to Science Olympiad community
- Built with MongoDB, Express, React + Redux, and hosted on AWS infrastructure

EMOOJI

- Designed a toy emoji-based programming language and wrote basic compiler
- Features basic type checking and syntax error handling, functions with recursion, arithmetic, and string creation
- Built in Rust for CS429H Computer Architecture Honors final project

ANTON ZHOU ART PORTFOLIO

- Worked with artist Anton Zhou to design responsive/performant website to showcase his work and personal biography
- Built custom CMS solution for artwork uploading and artwork metadata management using React + TypeScript and S3
- Built on Pug, SCSS, Gulp, and hosted on Netlify at [antonzhouart.com](#)

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. The app also connects children with their parents, updating parents as their child passes through security, arrives to the gate, etc.
- Won roundtrip tickets to Europe and invitation to American Airlines HackWars 6 in May 2019.
- Built with React, MongoDB's Stitch serverless platform, and American Airlines mock data engine.

ORGANIZATIONS

TANDEM STUDIO | DEVELOPER/DESIGNER

Sept 2018 | 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
- Building Tandem Studio's internal website using React + Redux and custom CMS solution for biography/blog posts.