Kevin M. Zhao

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EDUCATION

University of Michigan — *Ann Arbor, Michigan*   **May 2022**
B.S. in Engineering in Computer Science with Minor in Economics   **GPA: 3.5/4.0**
- **Honors**: Dean's Honor List for F18, W19, F19   **Major GPA: 3.6/4.0**
- **Courses**: Data Structures & Algorithms, Machine Learning, Computer Security, Data Visualization, Linear Algebra

EXPERIENCE

Software DevOps Engineer | Meijer — *in Grand Rapids, MI*   **May 2020 — August 2020**
- Worked with Microsoft Coretek Team to create a configurable script that automates agile deployment tasks
- Incorporated Azure Artifact with CLI task to streamline future software testing and development by more than 40%
- Consulted cross-team developers to test and integrate new powershell functions into current development pipeline
- Presented efforts to CEO/CTO on the improved development cycles of creating a new Point of Sales software

Software Engineer | CLAWS @ UM — *in Ann Arbor, MI*   **Sept. 2019 — Present**
- Developed Mission Control Center with a team of 10 by creating webserver and database to monitor real-time info from various astronaut missions by saving imagery and videos, mapping waypoints, and storing field notes data
- Used NASA's Trek API to create 3D rendering of moon surface layered with crater/rock detection, topography, and surface lighting, giving astronauts visual aids for potential mission locations

Frontend Engineer | ArtsEngine — *in Ann Arbor, MI*   **October 2019 — June 2020**
- Planned, designed, and created new website for UM's ArtsEngine platform using WordPress and Divi software
- Collaborated with a team of 10 to design modern templates and write efficient code for new JavaScript features

Software Engineer | UM Research Institute — *in Ann Arbor, MI*   **May 2019 — October 2019**
- Developed application for the University Hospital using 5000+ points of live car crash data, google maps API, and crossfilter on svg charts, allowing doctors to monitor and predict trends of car accidents across Michigan
- Improved runtime and organized codebase by refactoring 4000+ lines of code while keeping the same functionality

Business Outreach | Chinatown Partnership — *in New York, NY*   **May 2018 — August 2018**
- Promoted 3 risk assessment pensions, helping 50+ businesses in Chinatown recover from Hurricane Irene
- Interested 100+ small businesses in applying for grants offered by the Small Business Bureau, helping them gain more recognition in the city and advertise their products to tourists

PROJECTS

Pathfinding Visualizer — *React, JS, Heroku, Algorithms*   **May 2020 — July 2020**
- Created interactive site allowing users to generate complex mazes, edit walls by clicking on cells, and visualize pathfinding algorithms (BFS/DFS, Djikstra's, A*, etc). Users can also toggle speed of visualization
- Added feature that dynamically updates the shortest path and searched cells when nodes are being moved

Wolverine-DM — *Python, Django, JS, Heroku, AWS (S3)*   **Jan. 2020 — July 2020**
- Used Django's database and QuerySet API to build a platform allowing Michigan Wolverines to interact with each other remotely through writing and sharing posts, commenting, reacting, and direct messaging
- Implemented cloud image storage on AWS and password reset functionality through backend email hosting

TECHNICAL SKILLS

Languages: C++, Python, Django, JavaScript [Crossfilter, d3], React (hooks, states), C
Software: Azure/Agile, Postman, Heroku, AWS (S3), Git, Wordpress, Web Dev [HTML/CSS/SCSS]
Interests: Friends and The Office, Basketball, Chess, Poker, Warriors, Go Blue!