Michael Dick

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EDUCATION

University of Michigan - Ann Arbor
Bachelor of Science in Engineering - Computer Science, Mathematics Minor — *September 2019 - May 2024*

- **GPA:** 3.84/4.00
- **Relevant Coursework:** EECS 280 (Programming and Data Structures), EECS 203 (Discrete Mathematics), EECS 281 (Data Structures and Algorithms), ROB 102 (Intro to AI programming), EECS 270 (Logic Design), EECS 376 (Foundations of Computer Science)
- **Organizations and Activities:** IT Council Student Representative, First Generation Engineers, Michigan Student Artificial Intelligence Lab, UROP (Undergraduate Research Opportunity)

EXPERIENCE

IT Council - University of Michigan
Student Representative — Ann Arbor, Michigan — *August 2022 - Present*

- Represent and communicate with students about their wants and needs for computing accessibility, services, and tools to help them be successful.
- Communicate with University about computing infrastructure and services that is flexible, effective, and efficient.
- Meetings with deans, faculty, and students to discuss the status of our goals.

Ann Arbor Pharmacometrics Group
Software Engineer — Ann Arbor, Michigan — *May 2022 - Present*

- Collaborated with data analysts and pharmacometricians to create a in-house product that analyze data, performs user data manipulation, and renders reports for the user.
- Hosted R-Shiny apps on Amazon Web Services. The servers were set up with the correct environment and paths to display and execute R code with the proper connections to launch R-Shiny apps.
- Created web-applications that with JavaScript, CSS, HTML, SQL, R, and the R-Shiny library.

Rackham Graduate School - University of Michigan
Undergraduate Researcher — Ann Arbor, Michigan — *October 2019 - September 2020*

- Worked with Adobe Animate, Audacity, Adobe Premiere Rush, and Adobe Illustrator to complete the animation. Research is based on the paper: "The Mentor's Dilemma: Providing Critical Feedback Across the Racial Divide" by G.Cohen, C.Steel, and L.Ross.
- Animation is shown to the new graduate students coming into the university. The video shows the importance of feedback and its connection with race.
- Discussed presentation mediums and how to present research with Adam J. Matzger Ph.D who was the mentor for this project.

Two Men and a Truck
Logistics and Sales Intern — Ann Arbor, Michigan — *May 2019 - September 2019*

- Role was responsible for 90% of the revenue for our franchise. Was number one in revenue out of all our interns in our district. Total income generated while employed for this role was a total over $130,000.
- Would organize routes and dispatch movers and drivers to job locations.
- Took inbound calls and requests via email from clients, planned clients' request for a move, and was responsible for the clients' satisfaction with the services provided.

SKILLS SUMMARY

- **Languages:** C/C++, HTML, CSS, JavaScript, R
- **Tools:** Git, LaTeX, GNU Makefile, AWS (Amazon Web Services)
- **Environments:** VIM, VS Code, Visual Studio, Xcode, Rstudio, *nix Systems
- **Frameworks/Libraries:** SDL/SDL2, OpenGL, R-Shiny, Bootstrap, Sass, R-Rhino