Kyle Schnitzer

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Education

University of Michigan **Ann Arbor, MI**
Bachelor of Science in Computer Science August 2020 - April 2024

- GPA: 3.763
- Coursework: Data Structures & Algorithms; Programming & Data Structures; Operating Systems; Computer Security; Computer Organization; Applied Machine Learning; Discrete Mathematics; Intro to Engineering; Differential Equations
- Awards/Honors: Dean's List (Fall 2021, Winter 2022)

Work Experience

MathWorks **Natick, MA**
Software Engineer Intern May 2022 - August 2022

- Reduced technical debt by migrating 1000+ lines of legacy AngularJS code to React code
- Conducted design review of migration of bug-tracking tool used by 10+ teams across MathWorks
- Diagnosed and eliminated existing bugs by writing thorough unit tests

Epsilon Imaging, Inc **Ann Arbor, MI**
Software Engineer Intern June 2021 - August 2021

- Designed and built multiple customer-facing setup pages from scratch, decreasing app configuration time by 50%
- Collaborated with customer support team to ensure setup pages conformed to customer needs
- Constructed diagnostic feature providing easy access to log files, drastically reducing troubleshooting time

Leadership Experience

Ten for Men **Saline, MI**
Leader/Mentor June 2017 - Present

- Develop student leadership by facilitating conversations between Saline High School students
- Coordinate weekly meetings of 3 leaders and 10-20 high school students
- Manage a $3,000+ budget for food, trips, supplies, and other expenses to ensure organization's financial stability

Technical Experience

Projects **github.com/kyschnit**

- Road Trip Radius (2022). Work-in-progress web app providing information about travel destinations in a specified driving distance or time. React, JavaScript, HTML, CSS
- kyle-schnitzer.com (2021). Personal website built from scratch to highlight my background and experience. HTML, CSS, JavaScript, Bootstrap
- Traveling Salesperson Problem (2021). Takes graph input and algorithmically produces either a fast or optimal solution to a small subset of the Traveling Salesperson Problem. C++
- Euchre (2021). Euchre card game simulator with options to play against other human players or dynamic computer-controlled players. C++
- Computer Vision (2021). Utilizes a smart seam carving algorithm to dynamically resize an image to user specifications. C++

Skills

- Languages: C++; C; JavaScript; TypeScript; HTML; CSS; Java; Python
- Technologies: Angular; React; Git; Visual Studio Code; Windows; Linux; Bootstrap