

# BENJAMIN CRAIG

[bennycraig.github.io/](https://bennycraig.github.io/) | [bencraig@umich.edu](mailto:bencraig@umich.edu) | he/him | +1 (616) 813-6886  
<https://www.linkedin.com/in/benjamin-craig-800158172/>

## EDUCATION

**University of Michigan, B.S.E. Computer Science Engineering** (GPA: 2.935) Expected Apr 2023

**Course Highlights:** Artificial Intelligence, Web Systems, User Interface Development, Software Engineering, Data Structure and Algorithms, Computer Organization, Creative Coding for Musicians

**Grand Rapids Community College, A.S. Pre-Engineering** (GPA: 3.384) May 2019

**Course Highlights:** Calculus 1-3, Differential Equations, Calculus Physics 1-2, Discrete Mathematics

**Awards/Honors:** President's List, GE Aviation Scholarship, Teachers of Tomorrow Scholarship

## LEADERSHIP

**President and Founder** | GRCC Programmers Club Summer 2018 - Spring 2019

Founded a computer science club and recruited board members and over 20 club members. Hosted weekly meetings throughout the semester leading coding challenges and discussions. Organized meetings with board members to plan club activities and events. Promoted awareness of club by visiting classes, recruiting at campus events, and designing posters. During club meetings, we assembled an Arduino robotics kit and built a simple website using HTML, CSS, and Git. Participated in two hackathons (Calvin Hacks and Sparta Hacks) and attended multiple software talks including the GLSEC conference.

## WORK EXPERIENCE

**Capital Area Immigrant Rights Coalition** Apr 2022 - Present

*Data Volunteer*

Assisting in the creation of a databank of Immigration Court documents which will be used as a resource in building legal cases to protect the rights of immigrants facing deportation. Learned relevant legal vocabulary in order to accurately categorize documents. Used Microsoft Power Automate to speed up uploading of files.

**University of Michigan, Peer Assisted Study Sessions Program** Fall 2020 - Winter 2022

*Study Session Facilitator*

Led weekly online group study sessions of up to 10 students. Assisted students by facilitating group goal setting and leading progress check-ins in an encouraging and uplifting manner. Led one-on-one planning sessions to help students develop academic strategies and identify appropriate resources and support systems for their needs.

**University of Michigan, Crowds & Machines (CROMA) Lab** Summer 2019

*Undergraduate Researcher*

Assisted in designing a Javascript program to visualize the cost-benefit analysis of teamwork. Researched systems modeling, human-computer interaction, and crowd-sourcing literature to guide design of the program. Created videos to document progress presented in weekly stand-ups.

**Michigan Technological University, MiCUP Scholars Program** Summer 2018

*Undergraduate Researcher*

Participated in an honors research program as a guest student. Studied a computer microarchitecture called NoSQ which uses memory bypassing techniques to reduce memory access for stores and loads. Delivered a presentation on the fundamentals of the NoSQ architecture.

**GRCC Calculus & Physical Sciences Lab** Fall 2017 - Spring 2019

*Student Tutor*

Tutored students for two years in Calculus 1-3, Calculus Physics 1-2, General Chemistry 1-2, and Discrete Mathematics.

## SKILLS

**Languages:** Python, C/C++, HTML, CSS, JavaScript, SQL, R, LaTeX, Processing **Web Frameworks:** React, Vue, Node.js

**Operating Systems:** MacOS, Linux (Ubuntu) **Additional Tools:** Git, Bash

## INTERESTS

Data journalism and data visualization, ethical uses of machine learning, creative programming, full-stack web development, program management