Adam Gunn

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SUMMARY

Passionate and team-oriented computer science student interested in software engineering and web development.

EDUCATION

University of Michigan   **Apr. 2024**
Bachelor of Science Engineering, Computer Science   *Ann Arbor, MI*
GPA: 3.88 / 4.00

Relevant Coursework
- Data Structures and Algorithms
- Linear Algebra
- Intro. To Computer Organization
- Intro. To Computer Security
- Web Systems
- Foundations of Computer Science

SKILLS

- **Technologies:** HTML, CSS, JavaScript, Python, SQL, React, C++, C#, Node.JS, MongoDB, Git
- **Other:** Adobe Illustrator & Photoshop, graphic design, Mandarin Chinese (conversational)

EXPERIENCE

NCR Corporation   **May – Aug. 2022**
Software Engineer Intern   *Atlanta, GA*
- Established new option to pay with Bitcoin on self-checkout machines making use of an external API
- Implemented user interface in C# necessary for Bitcoin transactions, building off the existing UI codebase
- Competed in company hackathon, developing prototype for displaying the carbon footprint of a purchase

Michigan Hackers   **Dec. 2021 – present**
Web Team Lead   *Ann Arbor, MI*
- Conducted weekly meetings educating members on introductory web development concepts
- Organized team web project for members to individually contribute to

Michigan Men's Club Water Polo   **Dec. 2021 – present**
Web Master   *Ann Arbor, MI*
- Serviced team website to ensure up-to-date information, rosters, and blog posts

PROJECTS

RolyPolly – https://roly-polly.onrender.com/   **Oct. – Nov. 2021**
- Built React web app to create, discuss, and vote on polls in real time, gaining full-stack development experience
- Added option to create polls on music retrieved via the Spotify Web API
- Designed sleek frontend with React, HTML and CSS, enhancing UI skills
- Developed backend with Node.JS, Express, MongoDB, and Web Sockets

Personal website – https://adamgunn.net   **Jul. 2021 – present**
- Applied combination of HTML, CSS, and vanilla JavaScript to implement frontend
- Created full CMS to view, create, and modify blog posts stored in PostgreSQL database
- Produced backend Flask app to serve frontend code and handle authorization for CMS, hosted on AWS EC2
- Devised two small games coded in JavaScript using DOM and Canvas APIs

Search Engine – Web Systems   **Nov. – Dec. 2022**
- Engineered Python program to analyze Wikipedia articles and generate search results for a given query
- Utilized MapReduce framework to determine term frequency of a specific word in the articles
- Effectuated Flask backend to calculate the tf-idf score of each article and return the most relevant results