Kyle Cornell

✉ kylcorn@umich.edu   🌐 kylecorn.github.io   in @kylecornell04   ⦿ @kylecorn

Education

University of Michigan, College of Engineering   **Expected May 2027**

B.S.E in Computer Science

- **Courses:** Data Structures and Algorithms; Web Systems; Probability and Statistics for Engineers; Discrete Math; Data Analytic Tools and Techniques; Foundations of Computer Science; Game Development; Mixed Reality for Social Impact
- **Activities:** Michigan Engineering Consulting Group (Project Manager, Director of Tech Consulting, and VP External)

Experience

Rekkie   **Remote**

Software Engineer Intern   *Dec 2025 - Present*

- Improving elevation analysis accuracy in Swift and C++ by implementing data-selection algorithms that remove irrelevant inputs from live location data while still preserving relevant and meaningful data and statistical measurements

High Five Spirits   **Petoskey, MI**

AI Software Engineer (Analyst Role)   *August 2025 – December 2025*

- Engineered an end-to-end AI lead generation pipeline, integrating **Google's Gemini API** for client profiling, automated web scraping for contact discovery, and streamlined email outreach; slashing manual research time by **90%**
- Developed an intuitive **React**-based user interface to manage the AI marketing workflow, enabling seamless data I/O via **MongoDB Atlas** and real-time campaign monitoring; reducing onboarding time for non-technical users

Live Time   **Remote**

Full-Stack Software Developer (Analyst Role)   *January 2025 – July 2025*

- Led a team of 6 to build a brand outreach webpage using HTML/CSS, and **React**, enhancing the social media platform connecting over **4,000** university students with organizations across 5+ college campuses across the country
- Designed a user-friendly sponsorship application system, integrating the Calendly API for scheduling and streamlining the process with a Xano Database backend, improving UX for over **20 corporate sponsors** leading to customer growth

Jovian Software Consulting   **Grand Rapids, MI**

AR/XR Summer Development Intern (Unity/Unreal)   *May 2023 – August 2024*

- Co-led 10 team members, planned sprint meetings, and performed live simulation demos to military personel and clients
- Built and hosted a local server to run interconnected devices assuring no security vulnerabilities and smooth streaming
- Utilized **Unity/Unreal Engine** to develop an AR application for war zone troops improving mission to ground comms

Jovian Software Consulting   **Grand Rapids, MI**

Software Development Intern   *November 2022 – May 2023*

- Employed **TypeScript** and **CSS** to create a smooth user interface and experience for an Electron-based web application
- Combined 3 contracted projects to deliver a centralized application improving company's creation capabilities by **100%**
- Simulated 100+ app functions using **Playwright** testing assuring app functionality resulting in a successful app launch

Projects

Aegis | Node, Python/JavaScript   **December 2025 – Present**

- Engineering an AI-powered scheduling assistant landing page using Google's Gemini API, Gmail SMTP, and Node.js
- Reformatting user requests through backend development integrating the AI assistant with a preexisting N8N workflow

Monkeytopia | Unity, C#   **November 2025 – December 2025**

- Built a single-player tower defense game with enemy wave based level progression and resource management challenges
- Implemented Jira task tracking and led sprint planning for a team of 4, building a code base of 10,000 lines of code

Afterstep | Unity, C#   **August 2025 – October 2025**

- Created a 3D platformer with custom character design, movement animations, and unique level design and mechanics
- Ran play tests with **20+** players to assure intuitive game play, interesting player experience, and a bug free experience

Skills

Languages: C/C++, C#, Python, C, Java, JavaScript, TypeScript, Assembly, MATLAB, SQL, HTML, CSS
Frameworks: Unreal Engine, Unity, AWS, Cesium, React, Mixed Reality, Node.js, Tailwind CSS, Pandas, Gmail SMTP
Dev Tools: GitHub, Azure DevOps, Visual Studio Code, MongoDB, Figma, Cursor, Docker, Jupyter Notebook
APIs: Google Gemini, Web Speech, REST, ARKIT, Google Calendar, 0Auth 2.0, Vercel
Interests: Video Games, Travel, Cooking, Snowboarding, Tennis, Volleyball, Music, Augmented Reality, Spanish (fluent)