

KYLE CORNELL

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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

Software Engineer Intern

Remote

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 personnel 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 | Unity, C#

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, OAuth 2.0, Vercel

Interests: Video Games, Travel, Cooking, Snowboarding, Tennis, Volleyball, Music, Augmented Reality, Spanish (fluent)