

MATTHEW KING

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EDUCATION

B.S. Computer Science

Minor in Psychology

Grand Valley State University

Graduated 2023

Grand Rapids, MI

LANGUAGES AND SKILLS

Proficient Languages: React, CSS, JavaScript, SQL, and Python

Familiar Languages: C, C#, Java, MIPS Assembly, SQL, Swift, Ruby, and Scheme

Technologies: Git, Azure DevOps, Postman, Microsoft Fabric, VSCode, PowerBI

Skills: Communication, Writing, Teamwork, Leadership, Creativity, and Media Design

WORK EXPERIENCE

Full-Stack Developer

Challenge Manufacturing

April 2023 - Present

Grand Rapids, MI

- Developed and maintained multiple enterprise-grade internal web applications using React.js, improving operational efficiency and employee engagement across Challenge nationwide.
- Implemented and managed a Microsoft Fabric Data Lake and Power BI dashboards, streamlining data visualization and enabling data-driven decision-making for internal stakeholders.
- Collaborated in a small, agile team, driving end-to-end development cycles from research and architecture design to deployment and optimization.

Guest Advocate / Trainer

Target Corporation

June 2021 - Present

Holland, MI

- Led and trained team members across departments, boosting productivity and reducing delivery time to under 2 minutes.
- Refined excellent communication skills by aiding and building important relationships with a variety of guests.
- Entrusted with managing high-value inventory and sensitive data, ensuring accuracy, security, and compliance with company policies.

PERSONAL PROJECTS

iOS Native Camera Clone

Oct 2023

- Built a native iOS camera app clone in Swift using AVFoundation, with video, photo, burst mode, slow motion, and timelapse.
- Designed an intuitive UI with pinch-to-zoom, tap-to-focus, and customizable settings for aspect ratio, image quality, and flash mode.

Python Raycasting ARENA

Apr 2023

- Developed a custom first-person raycasting engine in Python, implementing ceiling rendering, multiple textures, and custom level structures.
- Implemented core game mechanics, sprite sorting, animation handling, collision detection, and enemy visibility logic.

BombParty Automation Bot

March 2022

- Utilized Selenium and Python to read and scrape data from BombParty browser game.
- Implemented human-like interaction between client and server to avoid detection.