Mark Zhdan

Chicago, IL | 331-980-6506
markzhdan@gmail.com | markzhdan.com | github/linkedin@markzhdan

SKILLS

Experienced in: JavaScript, React, Express, Node.js, MongoDB, HTML, CSS, Electron, Python, Java
Learning: Next.js, C++, Firebase, DigitalOcean

PROJECTS

Post-Plant

- Designed and developed a VALORANT data website from scratch, that included database management, and implemented an innovative, proprietary, user-focused replay feature for streamlined performance analysis.
- Utilized Riot Games' official API, MongoDB, Express, React, and Node.js to build a full-stack web application hosted on DigitalOcean.

Buff163 Python API Wrapper

- Engineered a robust Python-based API wrapper for Buff163, a CS skin marketplace. The project includes 20+ helper functions, enabling efficient and streamlined item prices and market analysis.

Reverse Engineering VLR.gg Player Rating

- Using machine learning analysis, I reverse engineered the VLR.gg player rating formula, achieving a high R2 score of 0.985, indicative of reliable and accurate predictions of player ratings using competitive match data.

Valbility

- Created a VALORANT accessibility widget that implements voice and audio assistance using the Electron framework.

Minecraft Cosmetic Plugin

- Designed and implemented an interactive GUI and database for 150+ unique monthly players, handling currency, unlockables, and player data.

EDUCATION

The University of Illinois Chicago Anticipated May 2025
Bachelor of Science in Computer Science

- Developer at CS Tracker's infrastructure team.
- Placed first place in the Red Bull Campus Clutch Great Lakes regional qualifier while representing UIC

WORK EXPERIENCE

College of DuPage / *Natural Areas Aide* August 2021 - May 2023

- Coordinated efforts to remove invasive species, cultivate native plants, oversee greenhouse operations, and maintain public trails.
- Managed volunteer days for the restoration of native Illinois prairie ecosystems.
- Fostered a collaborative and motivated team environment across 40+ acres of natural habitat.