Ian Magenta

Los Angeles, California   (734) 558-5944   ianmagenta@gmail.com   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

SKILLS

Python, JavaScript, React, Redux, Vue, Express, Node.js, Sequelize, Django, Flask, SQLAlchemy, HTML, CSS, SQL, PostgreSQL

PROJECTS

Custom Crafts   (Python, Flask, React, GraphQL, Auth0, Google Model-Viewer, Blender, JS, CSS, HTML)   live | github
A SciFi storefront that "sells" spaceships. Python back-end, React front-end. Makes heavy use of interactive, 3D models.
- Leveraged procedural spaceship generation, real-time 3D effects, and Google's model-viewer technology to create, style, and display interactive 3D spaceships on the website.
- Created a coherent visual language for the site by incorporating a SciFi-themed React UI library to add in site-critical features and style options.
- Engineered custom React components to implement Site MVPs (such as filtering, reviews, and check-out) by utilizing the full suite of native React hooks.

SteamMarket Analyzer   (NodeJs, Express, React, Material UI, ApexCharts, Steam Spy API, JS, CSS, HTML)   live | github
A market-analysis tool for game developers who are looking to deploy their games to Steam.
- Developed a comprehensive algorithm for searching the Steam store in real-time by making calls to the Steam Spy API to reveal critical information (price, concurrent users, average review scores) about top performing games.
- Utilized a React charting library to attractively display up-to-the-minute Steam Store Statistics in animated, interactive charts that users can also download.
- Designed a robust search feature using pure JavaScript that allows users to find detailed sales stats about individual games through either the game's title or Steam store app id.

Game Dev Toolbox   (Flask, Python, React, Semantic UI, SQLAlchemy, Auth0, Postgres, JS, CSS, HTML)   live | github
A site for discovering game development tools and planning out projects with them.
- Integrated Auth0 to give users various social platforms through which to sign up to the site while simultaneously using it to provide comprehensive protection for the site's backend routes.
- Meticulously cataloged a variety of game-development tools, integrating them into a database that allowed users unprecedented access to a searchable repository of programming languages, level editors, game engines, and more.

EXPERIENCE

Senior Software Developer
OptIn, INC   May 2021 - Present
- Lead the development of the company's new web app. Streamlined the process by leveraging existing web frameworks and technologies like Vue and Vuetify.
- Enhanced a growing Django REST API designed to interface with a variety of company-wide applications by making critical additions to models, signals, and views.

Software Development Consultant
OptIn, INC   February 2021 - May 2021
- Refined the company's existing progressive web app through bug fixes, feature implementations, and personal design insight.

EDUCATION

Full Stack Web Development - *App Academy | January 2020 - January 2021*
- Rigorous 1000-hour software development course with <3% acceptance rate.
- Topics included: Python, SQL, JavaScript, React, TDD, algorithms, scalability, design patterns, OOP, coding style, REST, security, single page apps, and programming best practices.

BA Education - *Michigan State University | 2010 - 2014 | Took courses related to Python and the ethics of science and technology.*