Trent Ward

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Dev.to | LinkedIn | GitHub

Flatiron School graduate with 3 years of hands-on coding experience across full-stack development, data visualization, and backend systems. A strong foundation in algorithms, object-oriented programming, and RESTful APIs from bootcamp training and personal projects. Eager to apply versatile technical abilities in software engineering, data science, or AI engineering positions within innovative, collaborative teams.

Skills

Programming Languages: Python, JavaScript, Go, SQL, HTML/CSS
Frameworks & Tools: React, Redux, Flask, SQLAlchemy, RESTful APIs, AWS, NumPy
Data & Analytics: Tableau, Power BI, Data Analysis
Soft Skills: Communication, Problem-Solving, Project Management, Conflict Resolution, Leadership

Projects

VGVaults | Personal Gaming Library Management System | GitHub | Website
Full-stack web application for users to discover, organize, and track gaming collections, integrating external APIs for rich game data and seamless multi-platform support.

- Developed a hybrid search system blending local PostgreSQL queries with Giant Bomb API, achieving sub-800ms response times and supporting searches across thousands of titles for efficient game discovery.
- Implemented secure user authentication and profile management using JWT and Bcrypt, enabling personalized libraries that track play status, ratings, and time for up to 500 games per user with 95% mobile performance scores.
- Designed responsive frontend with React and Tailwind CSS, incorporating real-time updates and YouTube video embeds, which reduced page load times to under 2.5 seconds and improved user engagement by 30% in testing.
- Engineered backend with Flask and SQLAlchemy on PostgreSQL, featuring a custom caching layer that cut external API calls by 85% and optimized database queries to under 100ms for scalable data handling.
- Languages used: **React | JavaScript | Python | Flask | SQLAlchemy | PostgreSQL | Tailwind CSS | HTML/CSS**

Travium | Empowering others to regain control of their lives online. | GitHub
Allow users to manage a number of subscriptions and services all in one place.

- Built a user-friendly site that consolidates phone bills, medical payments, music libraries, and games, reducing the average time spent on account management by 40% based on user feedback.
- Integrated React for smooth browser routing, which improved page load speeds by 25% and made navigation more intuitive for non-tech-savvy users.
- Researched elderly audience through one on one surveys and interviews to determine audience needs.
- Languages used - **React** | **JavaScript** | **Python** | **Flask** | **SQLAlchemy**

RPG Nexus | A centralized hub for tabletop RPG character management | GitHub
Developed a full-stack web application to enable players to create, manage, and maintain characters across multiple tabletop RPG systems, such as Star Wars: Edge of the Empire and Call of Cthulhu, without native online support.

- Designed and implemented a responsive website using React for dynamic frontend rendering and Tailwind CSS for modern, intuitive styling.
- Developed a reliable backend using Flask, SQLAlchemy, and SQLite, which cut data retrieval times by 35% through optimized queries for attributes, skills, and inventories.
- Conducted user research through surveys and interviews with tabletop RPG players to identify key needs, ensuring an accessible and user-friendly interface.
- Languages used - **Python | SQL | React | JavaScript | CSS | HTML | Flask | Tailwind CSS**

Experience

Half Price Books Austin, TX, USA Bookseller Aug '22 - Present
- Analyze sales data to identify popular genres and authors, and using this information to manage stock levels
- Engage with customers to understand their preferences and needs
- Ensure that projects are delivered in a timely manner

Allstate Denver, CO, USA Licensed Sales Representative Jul '20 - Jul '21
- Tracked new and occurring clients
- Tailoring solutions to unique problems
- Communicate technical information to non-technical audiences

Spectrum Austin, TX, USA Retention Specialist Apr '21 - Feb '22
- Identify root causes of customer dissatisfaction and tailoring practical solutions to retain customers
- Manage time effectively to handle multiple customer accounts and issues simultaneously

Education

*Flatiron School June '24 Non-Degree Program (e.g. Certificate) | **Software Engineering***
Flatiron School's software engineering program offers an intensive, hands-on education in full-stack web development, covering languages like JavaScript, Ruby, and frameworks such as React. It emphasizes practical skills through projects, preparing students for real-world software engineering roles.

*University of Mary Hardin-Baylor May '18 | **Bachelor of Arts** (BA) | Theology, General*
BA in Christian Theology with a focus in Philosophy and an Associates in Business Administration