





# David Beck

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## Education

### Bachelor of Science

Colorado School of Mines

Golden, CO, USA

08/2019 - 5/2023

- Major in Computer Science

## Skills

- Java | JavaScript | TypeScript | C++ | C | MongoDB | MySQL | Node | Express | React | jQuery | SQL | Git | Python | REST | Agile
- Apache | MIPS | Game Development | Unit Testing | CSS | PHP | HTML | Frontend | Backend | Full-Stack | OCaml | Scrum Master

## Experience

### Field Session Intern

Burst IQ

Denver, CO, USA

05/2022 - 08/2022

- Developed a comprehensive and user-friendly pharmacist portal interface from scratch, leveraging **HTML**, **CSS (Bootstrap framework)**, and **JavaScript** technologies. Implemented a visually appealing and responsive design, ensuring seamless usability for pharmacists in stocking, labeling, and shipping donated cancer medication to patients from the inventory.
- Utilized JavaScript, JQuery, and Postman REST-API calls to securely store and access critical data on the blockchain, guaranteeing data Integrity and traceability.
- Demonstrated exemplary leadership skills by managing a team of professionals following the Agile methodology. Conducted regular Scrum meetings as the scrum leader, fostering effective communication, collaboration, and timely project delivery.
- Engaged with key stakeholders from the client organization who commissioned the software. Presented the developed solution, Actively soliciting feedback and suggestions to align with their requirements and expectations. Effectively implemented stakeholder feedback, ensuring the final product achieved the desired objectives.

### Personal Project

Full-stack Ecommerce Website

Golden, CO, USA

08/2022 - 12/2022

- Leveraged proficient **HTML** and **CSS** skills to develop the frontend of an ecommerce website, providing users with a visually appealing and intuitive platform for seamless online shopping experiences.
- Constructed a robust SQL database to effectively manage customer data, product information, and order details, ensuring accurate and efficient data storage and retrieval.
- Deployed the website using the **LAMP** architecture (**Linux**, **Apache**, **MySQL**, **PHP**) in conjunction with the **XAMPP** service, ensuring Reliable hosting and optimal performance.
- Implemented a client-server architecture combining **HTML**, **PHP**, and **JavaScript** to facilitate smooth order processing and database updates upon customer interactions.
- Established permissioned roles for website administrators, enabling secure access through username and password authentication.
- Enhanced website functionality by integrating **Ajax** technology, allowing for asynchronous updates and data exchange on the backend, resulting in a seamless user experience.
- Utilized **Ajax** calls to provide real-time name suggestions for admins as they type on the keyboard, facilitating convenient auto-filling of order forms.
- Implemented comprehensive **CRUD** operations (Create, Update, Delete) and **PHP** form validation for all relevant forms, ensuring seamless real-time updates as products are stocked or purchased.
- Leveraged cookies stored on customers' computers to personalize their shopping experience by suggesting items they have viewed and offering tailored advertisements for discounts on related products.

## Current Projects

- **MonsterRevolution:** Joint Creator of a 2D mobile strategy puzzle game (GameMakerStudio2). (01/2023)
- **Plate Dates:** A tinder-like experience for restaurants web application (MongoDB, React, JavaScript, Express, Node) (01/2023)

## Intercollegiate Athletics

### Colorado School of Mines

DII Men's Football

Golden, CO, USA

08/2019 - 07/2022

- Entered Colorado School of Mines with the highest scholarship allowed.
- Demonstrated exceptional commitment and time management skills by dedicating over 30 hours per week to football While successfully managing a full course load at an academically rigorous engineering university.
- Cultivated invaluable leadership qualities and team-building, collaborating with teammates to achieve collective goals.
- Successfully navigated challenging situations and developed the ability to make critical decisions by balancing the demands of academics.