

David Beck

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Education

Colorado School of Mines, Golden, CO
B.S Computer Science

Expected Graduation:
Summer 2023

Relevant Experience

Burst IQ, Denver, CO - Field Session Intern

June 2022-August 2022

- Built a ground-up interface for a pharmacist portal using HTML, CSS, PHP. Ensuring easy use for a pharmacist to stock, label and ship donated medication to patients from inventory.
- Implemented a priority queue of medication with expiration dates, time requested and insurance status.
- Placed data onto the blockchain using JavaScript, JQuery, and Postman REST-API calls..
- Managed a team through Agile methodology and held scrum meetings as scrum leader.
- Presented the software to stakeholders for the company who commissioned the product, taking and implementing the feedback in order to reach the desired product.

Full-stack Ecommerce Website - Class Project

August 2022-December 2022

- Honed HTML and CSS skills to build the front end of an ecommerce website. Where the user could shop for items with a clean and easy website.
- Built SQL database to hold customer data, product information, and order information.
- Hosted the website using LAMP architecture (Linux, Apache, MySQL, PHP) through a service called XAMPP
- Introduced client-server architecture that combines HTML, PHP and JavaScript. This processed any order by the customer and updated the database.
- Added permissioned roles for the admins of the website (me) via username and password.
- Modified previous code to now use Ajax so the website could be updated asynchronously, by exchanging small amounts of data on the back-end.
- Used the now implemented Ajax calls to give the admin name suggestions live as they type on the keyboard. This was for auto-filling order forms.
- Implemented CRUD (Create, Update, Delete) and PHP form validation for all forms that will need to be updated live as products are stocked or purchased.
- Used cookies from the customer's computer to suggest items that they have viewed and advertised it to them offering a discounted price.

Skills

Programming Languages/Architectures : C++, C, Java, HTML, CSS, PHP, Python, Java Script, SQL, MySQL, OCaml, Mips assembly, REST, Express JS, Apache, React, JSON API, GameMaker Studio, Unity, C++ SDL (for game development)

Software Engineering/Development: Agile Programming, Scrum Leader, Team management, Formal presentations.

General: Leadership skills and teamwork through playing collegiate sports.

Intercollegiate Athletics

Colorado School of Mines- DII Men's football team

August 2019-May 2022

- Entered Mines with the highest athletic scholarship allowed.
- Devoted 30+ hours per week while taking a full course load.
- Gained priceless leadership and team-building experience.
- Learned how to make difficult life-altering decisions.

Relevant Coursework

Algorithms, Operating systems, Computer Organization (MIPS), Principles of Programming Languages, Database Management, Web Programming, Information Systems & security, Web Applications, Software Engineering, Machine Learning.