SETH FIELDS

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JUNIOR FULL STACK SOFTWARE DEVELOPER

PERSONAL PROFILE

Although a career in agriculture ultimately wasn't my calling, the experience imbued me with invaluable qualities: a robust work ethic, a collaborative spirit, and an unwavering attention to detail. Encouraged by friends, I embarked on a self-taught journey into coding, particularly Data Analysis, and found myself captivated. The ability to employ creative problem-solving to achieve objectives, coupled with the satisfaction of making code function, resonated deeply with me. While I pursued this passion independently for several months, I soon realized that breaking into the tech industry without formal training presented significant challenges. Upon discovering NewForce, I recognized it as the perfect path for my aspirations. I am enthusiastic about combining the skills and knowledge acquired from my agricultural background with the comprehensive training provided by NewForce. I am confident that this fusion will enable me to make meaningful contributions to any company or organization fortunate enough to engage my services.

PROJECTS

D&D Shop

This D&D Shop acts as a virtual marketplace for your D&D games. As a Dungeon Master, you can:

- Create a shop inventory from the wide array of items currently in our database.
- Add your own homebrew items.
- Edit items to fit your needs.
- Manage the gold your players have.
- Keep track of what items your players have purchased.

Checkout the README for more information!

 https://github.com/scof00/capstone-project-1

trAIner

trAIner is a record keeping app for all your gym needs, with an AI personal trainer to help beginners.

- Create and validate user login.
- Create, edit, and delete exercises and categorize them by muscle group.
- Create, edit, and delete custom workout plans to fit your needs.
- Working out for a specific purpose? trAIner provides recommendations based on your goals.
- After completing a workout, trAIner logs your data and graphs it so that you can see your progress over time.
- Ability to input old data from your own notebook.
- Daily recommended caloric intake based on gender, age, height, weight, and activity level.
- ChatGPT Integration to serve as an AI personal trainer to help new gym goers.

 https://github.com/scof00/FitnessApp

EDUCATION

NEWFORCE, MARCH 2024 -PRESENT

Software Development Training Program

In Partnership with MountwestCTC

WEST VIRGINIA UNIVERSITY, AUGUST 2023

Bachelors of Science in Agroecology

Minor in Agribusiness Management

UNIVERSITY OF NATURAL RESOURCE AND LIFE SCIENCES (BOKU), VIENNA, OCTOBER 2022-FEBRUARY 2023

6.5 Credits

TECHNICAL EXPERIENCE

Junior Full Stack Developer

NewForce   *Apr 2024-Present*

Intensive full-time 6-month software development immersive training program focusing on full stack (C#/.NET) development fundamentals and problem solving. The final half of the program is executed in a simulated company environment with Scrum methodology.

- Applied object-oriented programming fundamentals through team-based projects that reflect real world business problems
- Collaborated remotely on projects using Slack and Zoom
- Managed source code version control with Git/ GitHub
- Applied JavaScript, HTML, and CSS fundamentals to build a feature-rich social media dashboard
- Leveraged native ES6 module bundling to build DRY, reusable components
- Designed and built single-page applications with React using Hooks
- Designed applications through white boarding dependencies and building ERD's
- Built and interacted with databases using SQL and ADO.NET
- Developed a blog management platform in ASP.NET, MVC, and Razor templates in Visual Studio 2019
- Created RESTful Web API with C#/ .NET Core and connected it to a React front-end
- Built and maintained integration tests in .NET Core

WORK EXPERIENCE

Backroom Associate

TJ Maxx   *Sep 2023 - Mar 2024*

- Unloaded, processed and prepared truck inventory to be pushed out to the floor.
- Assisted in other store responsibilities as necessary during the holiday season

Horticulture Pest Management Associate

WVU Research Corporation   *May 2023 - Aug 2023*

- Assisted in performing, observing, and setting up various research trials relating to pest management.
- Helped to process samples for the West Virginia University Plant Diagnostic Clinic
- Started the quality management process for the Plant Diagnostic Clinic to be in line with national standards.

Farmhand

Sugar Bottom Farms   *May 2021- Aug 2021*

- Carried out daily operations of the farm including hive inspections, hive installation, hive feeding, deliveries, assisting customers, and handling inventory.

Work Experience Continued

Soil Testing Lab Assistant

WVU Soil Testing Lab   *Aug 2020 - Sep 2022*

- Processed, input, and sent out soil testing data.
- Assisted in various research projects going on at the university related to soil health.

Researcher

WVU Summer Undergraduate Research Experience   *May 2020 - Aug 2020*

- Studied soil health differences between hay, pasture, and market garden organic cropping systems.
- Worked with dry aggregation, saturated hydraulic conductivity, bulk density, and penetration resistance
- Placed 3rd in the ASA, CSSA, SSSA International Annual Graduate Competition

Research Assistant

WVU Research Apprenticeship Program   *Aug 2019 - April 2020*

- Assisted in study of soil health in organic grassland systems.
- Presented research at WVU's annual research symposium.
- Worked with wet and dry aggregation, bulk density, and soil porosity.