

Justin Horein

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PROFILE

Hard working and detail oriented individual, Interested in developing elaborate software. Currently an Instructor at the Tech Academy, although, I'm interested in joining a team as a full-time developer.

EXPERIENCE

- **Python Django Live Project:** Through an internship with Prosper IT Consulting, I built a web app to help users organize their movie collections . Utilizing a Movie Database API, I constructed a page that allows users to search movie titles and view the results listed in a presentable format (Bootstrap Cards). Additionally, I made a page where users can store titles they've already viewed (utilizing a model and database). Along the way, I participated in a series of standup meetings in practice of the Agile/Scrum methodology and practiced responsible version control procedures.

View code here: https://github.com/justinhorein/Django_Movie_Manager

- **C Sharp Live Project:** Another internship I did with Prosper IT Consulting, in which I helped develop a website for Theater Vertigo (SE Portland). Most of my effort was spent styling 5 pages for the Ticket Management section of the website where I gained a lot of experience in the front-end, working with Bootstrap in particular. I also completed one back-end story. Like the Django Project, we worked in sprints in practice of the Agile/Scrum methodology.

Couldn't get the code, but you can read an in-depth summary here:

https://github.com/justinhorein/C_Sharp_Live_Project/blob/master/C%23%20LP%20Summary.pdf

- **C Sharp Black Jack:** A console app designed as a one-player game of Black Jack. Building this project, I gained lots of experience programming in the Object-Oriented Paradigm. I learned how to organize my code in a library, as well as utilize concepts like Polymorphism, Inheritance, Interfaces, Encapsulation and Abstract Classes.

View code here: https://github.com/justinhorein/C_Sharp_Black_Jack

- **React Tic-Tac-Toe:** Basically, the official react getting-started tutorial with additional dark/light mode styling. Essentially, it's a game of Tic-Tac-Toe with time travel functionality, meaning you can transport back to past turns and review or even rechoose your move. This was my first hands-on exercise with React. I learned a lot of React specific concepts including: how to pass data through props, class vs. functional components, lifting state in-order to store and display game data more effectively and lots of stuff in-between. I also learned general programming techniques such as Data Immutability, that is, storing past records of the game's state instead of mutating one set of the game's data in order to display past states of the game, essentially enabling the time travel feature. I added dark/light mode functionality as a CSS exercise.

View code here: <https://github.com/justinhorein/React-Tic-Tac-Toe>

- **Vue To-Do-List:** A super smooth to-do-list app created with the Vue JS Framework. I gained experience with Vue specific features while building this, including: Single File Components, V Bindings, Computed Properties, Lifecycle Methods, and Conditional Rendering (Super Handy!).

View code here: <https://github.com/justinhorein/Vue-To-Do-App>

- **Magic the Gathering Deck Builder:** Web app developed with Express, EJS, and MongoDB. Use it to search cards courtesy of the Scryfall API. You can add those cards to your Deck Page. On the Deck Page, you can edit and delete cards. Actively working on this one!

View code here: <https://github.com/justinhorein/mtg-node>

- **Car Insurance Quote Generator:** C#/ASP.NET web app that takes in user input through a form, then calculates and displays a Car Insurance Quote based on that data. The quotes for each user can be viewed on the Admin Page. Building this I gained experience using Entity Framework Database First to work with the model.

View code here: <https://github.com/justinhorein/Car-Insurance-Quote-Generator>

- **React Permutations:** A web app that takes in a set of anything (animal names, numbers, ice cream flavors) and returns the total number of possible permutations as well as an instance of each permutation. I got to practice recursion while writing the algorithm for this one.

View code here: <https://github.com/justinhorein/permutations>

- **RGB Color Picker:** A web app, I built, as an interactive game for testing a user's skills in identifying RGB Color Codes. While building this app, I learned how to select and configure DOM elements as well as write code in the functional programming paradigm.

View code here: <https://github.com/justinhorein/RGB-Color-Picker>

SKILLS

- **LANGUAGES:** HTML, CSS, JavaScript, SQL, C#, Python
- **FRAMEWORKS:** ASP.Net, Express, Django, Entity, React, Vue.
- **LIBRARIES:** Bootstrap, jQuery, Semantic UI.
- **DATABASES:** SQL SERVER, SQLite, MongoDB.
- **IDE:** Visual Studio Code, Visual Studio, Jupyter Notebook.

EDUCATION

- **The Tech Academy**
Coding School
Portland, OR

Software Developer Certificate
Sept 2019 - May 2020
 - Intensive developer training, over 900 hours of study content and drills. Studied Computer Science Fundamentals, HTML/CSS, JavaScript, SQL, Relational Databases, C# w/ .NET framework, Python w/ Django framework, Object Oriented Programming, MVC, Agile/Scrum, Version Control and more.
- **Pyramind**
Music Production School
San Francisco, CA

Complete Producer Program
Jan 2017 - Dec 2017
- **Madison College**
College
Madison, WI

English
Jan 2014 - Aug 2014

WORK HISTORY

- **Instructor**
The Tech Academy | Portland, OR | (503) 206-6915
April 19, 2021 - Present
 - o Help students learn to code in remote locations such as Ontario, Canada and the United Kingdom. Refine the curriculum specifically in the Advanced Javascript Bootcamp.

- **Intern**
Prosper IT Consulting | Portland, OR | (503) 206-6915
January 6 - 19, 2020. Also, March 16 - 29, 2020.
 - Helped develop a website for a Local Theater Company. Also, developed a web app for keeping track of a movie collection. Both projects were 2 week sprints structured in the Scrum methodology (read more on my GitHub).

INDEPENDENT STUDY

- **Currently reading:**
 - ASP.NET Core in Action by Andrew Lock
 - Javascript: The Definitive Guide by David Flanagan