Tiffany L. Brand

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Portfolio: https://www.tiffanybrand.com

Full stack web developer with a background in technology coordination and management for the education sector, committed to team collaboration and continuous learning in software engineering. Known as a creative problem solver, leader, and mentor. Persistent in finding solutions and seeking new challenges in front and back-end development.

TECHNICAL SKILLS & CERTIFICATES

Technical Skills: HTML, CSS, Bootstrap, Material UI**,** JavaScript, TypeScript, Python, React, jQuery, Ajax, API Development, Node.js, Express, MySQL, MongoDB

Training & Certificates:

- **Full Stack Web Development Certificate**, University of New Hampshire, Durham, NH, an intensive 24-week course dedicated to designing and building web applications.
- **Enterprise Design Thinking Practitioner**, IBM
- **Data Science Professional Certificate**, IBM and Coursera
- **Experienced Educator Certificate**: **Digital Learning Specialist**, State of New Hampshire Board of Education

WORK EXPERIENCE

Dover Adult Learning Center, Dover, NH
Technology Integrator, 8/2011 - Present

- Designed and implemented the Exploring Coding and IT Careers curriculum including building connections with local IT business leaders, resulting in adult students enrolling in and completing post-secondary training in web development.
- Coordinated and completed technology planning, budgeting, maintenance, and upgrades at multiple center locations including installing 3 Windows desktop and mobile computer labs, a Windows Server, wired and wireless network upgrades, classroom projection systems, staff workstations, and mobile devices.
- Spearheaded improved teacher technology training and computer skills curriculum resulting in increased digital literacy for staff and students and efficient electronic data entry and recordkeeping.

New Hampshire Bureau of Adult Education, Concord, NH
Technology Mentor, 12/2014 – Present

- Designed and facilitated state-wide professional development and training courses in distance education, technology integration, digital literacy, and learning management systems using research-based best practices.
- Partnered with national adult education research organizations to create and present online professional development opportunities and share distance learning best practices.
- Won $150,000 achievement award as part of the World Education XPRIZE Adult Literacy Communities Competition team by developing outreach and professional development resources to support mobile learning in adult students.

PROJECTS

Vedge-In

Vedge-In is an application designed to help users eat healthier by encouraging them to increase the amount and diversity of vegetables in their diet. Log your plant intake and challenge your friends. In this team project, I served as project lead and worked on authentication via Auth0 and front-end functionality in React.

Tools Used: React, TypeScript, Material UI, Nest.js, Node.js, TypeORM, MySQL, Auth0, HTML, CSS
Code: https://github.com/tiffany-brand/veg-out
Deployed Site: https://vedge-in.herokuapp.com/

Team Builder

This application aims to help build teams, foster creativity, and strengthen culture in a remote workforce. It provides a fun way to break the ice in remote meetings and help team members bond. In this team project, I served on the back-end development team, tasked with authentication, API structure, routes, image handling, and database structure.

Tools Used: HTML, CSS, JavaScript, jQuery, Bootstrap, Express, Node.js, Handlebars, Auth0, Passport, MySQL, Sequelize, FileStack
Code: https://github.com/tiffany-brand/the-team-builders
Deployed Site: https://the-team-builder.herokuapp.com/

High Card Picks Dinner

This application is a game providing a fun way to choose an evening meal. It helps couples, friends, or roommates fairly choose who picks dinner and find quality dinner choices. In this team project, I served as the project manager and front-end designer.

Tools Used: HTML, CSS, JavaScript, jQuery, Materialize, Card and Recipe APIs, Animate CSS, Moment JS, Chart JS
Code: https://github.com/tiffany-brand/high-card-picks-dinner
Deployed Site: https://tiffany-brand.github.io/high-card-picks-dinner/

Google Books Search and Save

This MERN full stack application allow a user to search for books through the Google Books API. Users can type in a search term, and results are displayed. Users can save a book to the MongoDB database and see all books saved. This application also uses Socket.io messaging to alert current users when a book has been saved.

Tools Used: React, Express, MongoDB, Node.js, JavaScript, Material UI, Socket.io
Code: https://github.com/tiffany-brand/google-books-search-and-save
Deployed Site: https://gb-search-n-save.herokuapp.com/

EDUCATION

M.Ed., Secondary Education, University of New Hampshire, Durham, NH

BA, Zoology, Cum Laude, University of New Hampshire, Durham, NH