

JESSICA BARNETT

SOFTWARE DEVELOPER

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PROJECTS

FERMENTSTATION

Front-End Capstone

Fermented beverages such as kombucha have become popular in the past few years as a delicious, healthy alternative to soft drinks. I recently took up the hobby of making them at home. It's fun and a great way to save money, but it also requires a lot of experimentation. I built an app that monitors the fermentation stages of each batch and allows me to record and compare ingredients.

- A single-page CRUD app built in React with a flat data structure in JSON server
- React Router was used to dynamically route users to detail pages for individual batches and conditionally render content based on the type and status of the batch
- Fetch calls to the database were used to store the user's batch information and dynamically populate options for recipe ingredients
- React Moment was used to display relative dates (e.g. "Your batch will be ready to drink in 2 weeks")

github.com/jessicabarnett8219/FermentStation

GOALFISH

Back-End Capstone

My friend is a special education teacher, and tracking a student's behavior goals is a key part of her job. This data helps her to plan lessons and communicate with parents about their child's progress. Because she doesn't have software designed for this, she records scores on paper and uses a calculator for averaging. I built an app that allows her to input scores, calculate averages automatically, and output the student's scores in a table. This saves her hours of time and allows her to easily visualize a student's progress.

- A server-generated web app built using Python with Django web framework and styled with Bootstrap
- Django ORM methods were used to allow users to add new students and evaluations to the database, filter and search students, and calculate average scores

github.com/jessicabarnett8219/GoalFish

ABOUT

I wrote my first line of code in a web development elective while in school for graphic design. I felt right at home in the world of software development, because just like design, coding is all about solving problems. After finishing the class, I put coding aside for a while and continued on with my plans to be a freelance graphic designer. When I heard about Nashville Software School I saw the opportunity to start a career in software development, and I went for it. Now I can't imagine anything I'd rather do.

EXPERIENCE

SOFTWARE DEVELOPER

Nashville Software School | 2018-2019

Intensive full-time 6-month software development bootcamp focusing on full stack (Python/Django) development fundamentals and problem solving

- Utilized Python with Django framework to create a server-generated ecommerce web application with a group. Leveraged Django templates to build the interface. Interacted with the database using raw SQL queries. Individually responsible for displaying product details with current inventory level and the functionality to add products to an order
- Developed a flat data structure using an entity relationship diagram with a group before building the messaging component of a personal dashboard application with JavaScript and JQuery. Utilized Grunt as a task runner for bundling and linting. The current user's messages were displayed with editing capability, and other users' messages were displayed as read-only
- Created an itinerary builder application with a group. Individually responsible for the restaurant module which collected user input, leveraged JSON Server to ping an external API, displayed search results in the DOM, and saved the user's choices
- Recreated the single-page social dashboard app with a group using React. Collaborated with the group to develop user authentication functionality. Individually developed the Tasks module achieving CRUD functionality through manipulation of state and fetch calls to JSON Server

GRAPHIC DESIGNER

Freelance | 2017-2018

Independent designer specializing in branding for small businesses

- Designed logos, print materials, business cards and web graphics informed by in-depth client surveys and industry research
- Produced designs using Adobe Photoshop, InDesign and Illustrator, Procreate digital illustration application, and Squarespace
- Developed brand guides for clients that included all fonts, colors, and logo variations used in creating their cohesive brand
- Coached clients on use of Squarespace for web content management, which allowed them to update their website content without compromising the design

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EXPERIENCE CONTINUED

MARKETING COORDINATOR

St. Luke's Community House | 2015

West-Nashville non-profit community center offering child development programs, senior activities and financial assistance to Nashville families

- Executed promotional strategy, invitation design, ticket processing and event planning for the Bishop's Barbecue fundraiser, which grossed \$45,000 in donations and sponsorships
- Managed the agency's database of 10,000+ donors using DonorPerfect CRM software, processed gifts and distributed individualized donation acknowledgement letters
- Developed all visual communication for the agency including email marketing using Emma, direct mail pieces and social media graphics using the Adobe Creative Suite, and website design using WordPress CMS

HEALTH OUTREACH SPECIALIST

United Way of Metropolitan Nashville | 2014

Position was part of a grant from the Healing Trust to increase enrollment in the health insurance marketplace after implementation of the Affordable Care Act

- Conceptualized and designed a healthcare education booklet which increased the health insurance literacy of newly-insured consumers
- Developed expert knowledge on healthcare reform via in-person training and individual learning in order to advise marketing leads on campaign strategy
- Strengthened the program's financial counseling service by providing financial counselors with cost-saving guidance for their newly-insured clients

MARKETING COORDINATOR

United Way of Metropolitan Nashville - AmeriCorps VISTA | 2013

Worked with United Way's Financial Stability initiative, which provides free financial counseling and tax preparation services. Position was part of AmeriCorps VISTA - a national service program designed to alleviate poverty

- Refreshed the branding and website design for the Bank On Music City program by leveraging input from existing clients and corporate partners
- Supported marketing leads in copywriting for the 2014 Volunteer Income Tax Assistance marketing campaign, resulting in a 13% increase from the previous year's program participation
- Revamped the My Money Nashville initiative by creating My Money Guide, a community resource directory, which received positive feedback from community partners

EDUCATION

NASHVILLE SOFTWARE SCHOOL

Full-Stack Software Development
2018 - 2019

PARSONS SCHOOL OF DESIGN

Certificate - Graphic Design
2015 - 2017

UNIVERSITY OF KENTUCKY

BA - Strategic Communications
2008 - 2012