Matthew Banks

Web Developer

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(203) 706-2262 | → Download Resume PDF ←

⟨Projects⟩

Eagle Elementary School

Features: Real Time Chat App, Blog connected to CMS, Survey connected to database, Based on real school curriculum

About: This is a template elementary school site I created which targets progressive school environments becoming more socially distanced. It has a real-time chat for parents and teachers with private messaging and push notifications. The events page is connected to a content management system for school faculty to easily use without the help of a programmer. The survey is connected to a mongodb atlas database that collects responses from parents. The curriculum section is based on real curriculum standards.

Technologies used to build it: React, Javascript, Mongodb, Contentful, Material ui, Styled components, Socket.io, GraphQL, Express, Node, Gatsby

Code   Site

Matt's Retro Games

Features: PayPal, Search bar, Game product pages, Detail page for each product, Cart checkout with tax (USA)

About: I had a lot of fun with this project because these are many of my favorite retro games. This is like a tribute to the games I am nostalgic for but in the form of a retro game store. I used a real price guide to price each game so they should be very accurately priced in my store. This store template has all the hallmarks of an e-commerce website and it utilizes a sandbox PayPal that can be activated in the future to handle real transactions. I won't be parting with my collection though.

Technologies used to build it: React, Javascript, Bootstrap, Styled components, PayPal, React router

Code   Site

Professional Portfolio

Features: Welcome section with a current skills/technologies list, A projects section to view code and try the sites, Resume page with pdf download, Contact section with github and other useful info

About: This is my personal portfolio website. This is where all my latest projects live and it serves as a central hub for people to get in touch with me for web development work. It has a nav menu that will jump to different sections of the portfolio and there is also an html resume page which has a convenient pdf resume download link. This resume has many links that are useful for recruiters to quickly see my work and contact me.

Technologies used to build it: React, Javascript, Gatsby, Styled components, Material ui

Code   Site

Link To Portfolio Projects Section

Current Core Technologies Used:

Programming	Data	Tools
HTML/CSS, JavaScript, React, GatsbyJS/GraphQL, NodeJS, Express	MongoDB	Visual Studio Code, Git, Figma

⟨Work Experience⟩

Web Developer

Jan 2019 – Present

- Build practical web applications that focus on real world needs and current culture
- Update/improve my portfolio website with new projects and make templates for potential freelance work
- Experiment with new technologies as needed for projects
- Git version control and web application deployment

Teaching Assistant

Aug 2015 – Dec 2017

University of Connecticut
Department of Molecular and Cell Biology
Storrs, CT

- Teach three lab and discussion sections per week to undergraduate students; 20-25 students per class
- Help students through biology experiments, some involving enzyme activity and gel electrophoresis
- Taught Biology 1107 and Genetics 2410; giving/preparing lectures

Technician

Feb 2014 – Feb 2015

Aerotek (3M Purification, Temporary)
Meriden, CT

- Chemical formulations for production of high grade nylon water filters and QA
- Charge solution formulation and other solution preparation
- Responsibility for maintaining and monitoring a chemical room containing methanol, formic acid, sodium hydroxide, and other chemicals
- OSHA regulated environment

**Critical Components
Manufacturing Associate 1**

Aug 2010 – May 2011

Reitman Personnel (454 Life Sciences, Temporary)
Branford, CT

- Preparing DNA Capture Beads for commercial distribution
- Processing experimental data with Excel for production records
- Running assays on products in process, such as enzyme activity assays
- Working as part of a team to meet strict customer deadlines and test results for research and development

⟨Education⟩

**University of Connecticut, Storrs, CT
Master of Science in Molecular and Cell Biology-Genetics and Genomics**

December 2017
Research: Developmental Biology; cell lineage and transcriptional profiling of select tissues in mice

**Central Connecticut State University, New Britain, CT
Bachelor of Science in Biomolecular Sciences-Biotechnology,**

December 2013
Research: Genetics-RNA Editing in honey bees

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