Matthew Banks

Web Developer

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(203) 706-2262   → Download Resume PDF ←

⟨Projects⟩

Face Conference

See My Code | Try The Site

Features: Dashboard with options to create a new room or join the demo lobby, A user can disable the video, audio, or hang up the call and go back to the dashboard

About: This is a video chat website that utilizes WebRTC technology. Face Conference is a place where you and your friends can talk, face to face, and catch up online.

Technologies used to build it: JavaScript, PeerJS, EJS, Socket.io, WebRTC, Express, Node

Quick Chat

See My Code | Try The Site

Features: Group chat, Private chat, Push notifications, Help section, Wide selection of emojis, Unique user id, Logged in user list

About: This is a real-time chat web application that has group topic rooms and private messaging with push notifications. Private messages are equipped with a service worker to handle push notifications.

Technologies used to build it: React, JavaScript, Material ui, Socket.io, Express, Node, Gatsby, Web Push

Eagle Elementary School

See My Code | Try The Site

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

About: This is an elementary school site which targets progressive school environments becoming more socially distanced. It 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

Matt's Retro Games

See My Code | Try The Site

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

About: This is a tribute to the games I am nostalgic for but in the form of a retro game store. The games are all accurately priced. This store includes 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.

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

Professional Portfolio

See My Code | Try The Site

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.

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

Click Here For More Information On These Projects

Current Core Technologies Used:

Programming	Data	Tools
HTML/CSS, JavaScript, React, GatsbyJS/GraphQL, NodeJS, Express, PHP	MongoDB, MySQL	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

3M Purification
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   Aug 2010 – May 2011
Manufacturing Associate 1

454 Life Sciences
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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