

# Matthew R Banks

Full Stack Web Developer

[mattbanksdev.com](http://mattbanksdev.com) [banks.matt81@gmail.com](mailto:banks.matt81@gmail.com)  
[linkedin.com/in/matthewr-banks](https://linkedin.com/in/matthewr-banks) [github.com/mattrbanks](https://github.com/mattrbanks)  
(203) 706-2262 → [Download Resume PDF](#) ←

## Web Development Skills:

Programming	Data	Tools
HTML5/CSS3, JavaScript, React, GatsbyJS/GraphQL, NodeJS, Express, PHP	MongoDB, MySQL	Git, GitHub, Visual Studio Code, Figma

## ⟨Projects⟩

### Face Conference

[See My Code](#) [Try The Site](#)

**Features:** Intuitive dashboard with options to create a new room or join a demo lobby • 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, MongoDB

### 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:** Parent/Teacher Chat • School events blog connected to CMS • Education satisfaction 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](#)

## ⟨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 Manufacturing Associate 1

Aug 2010 – May 2011

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

[Go To Portfolio Website](#)