

BRANDON CHUNG

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

TECHNICAL SKILLS

React, Redux, Ruby, Rails, PostgreSQL, JavaScript, Node.js, Express, MongoDB, jQuery, HTML, CSS, C++, C, TDD, Git

PROJECTS

g-cord (React, Redux, Ruby on Rails, PostgreSQL)

[live](#) | [github](#)

g-cord is a hip-hop themed clone of the online chatting software Discord.

- Leveraged Rails' ActionCable and Redis to handle web-socket connections for seamless live chat and user interaction.
- Constructed intuitive and responsive UI using React/Redux to enable users to create, delete, edit, and invite fellow users to channels or servers.
- Enforced strict associations and garbage collection through robust Rails models to ensure clean database tables.

Tag (React, Redux, Node.js, Express, MongoDB)

[live](#) | [github](#)

Tag is a 2-player platform game based on the familiar childhood pastime.

- Devised object physics engine for movement and 2D collision detection from ground up to simulate Mario-esque platform gaming.
- Designed game textures for map and players through meticulous sprite animation framing with Canvas to add more visual clarity for players.
- Refined 2-player gameplay through the use of collision-based hitboxes such that tagging remained fluid and consistent throughout the experience.

UpNext (React, Redux, Express, Node.js, MongoDB)

[live](#) | [github](#)

UpNext is a web application that allows users to post interests and receive related media recommendations based on those interests.

- Employed React-Slick carousel library to emulate the slider mechanics from popular web applications such as Netflix or Spotify
- Developed the product mobile-first using media queries and modern design practices to allow for a consistent presentation regardless of device
- Incorporated outside APIs including the TheTVDB to create an intuitive search bar that lists only existent movies from IMDB's movie database that are not already part of the user's interests

EXPERIENCE

Research Developer

Harvard University

May 2018 - Aug 2018

- Architected an interactive JavaScript video player such that scientists could more finely review research findings from Eye Tracker and Kinect technologies.

Software Engineering Intern

Charles River Analytics

May 2017 - Aug 2017

- Collaborated with a team of five developers to create AMPT (Advanced Mission Planning Tools) – a tool that enabled military supervisors to oversee active drone units, create commands, and monitor important mission details

Programming Instructor

MIT iD Tech Camps

May 2016 - Aug 2016

- Taught students aged 13-17 basic to advanced fundamentals in both C++ and Java, (i.e., creating efficient algorithms, refactoring, modern coding decorum, etc.).

IT Specialist

St. Thomas Aquinas College

June 2013 - Aug 2015

- Worked with a team of IT professionals to reconfigure wireless infrastructure, enforce security protocols, and troubleshoot day-to-day cases.

EDUCATION

Tufts University - BS in Computer Science | 2014 - 2018

App Academy - Full Stack Development | Fall 2019

< 3% acceptance rate elite 16-week bootcamp dedicated to full stack development with a focus in React, Redux, Rails and Express