

Hassan Toor

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PROJECTS

ChitChat | JavaScript, React, Redux, Socket.io, Node, Express, MongoDB [LIVE](#) | [GITHUB](#)

Chat app with real-time private and public messaging along with fully customizable messages.

- Integrated seamless, real-time private and public messaging along with user notifications via socket.io library by communicating socket events between the server and client
- Implemented gifs via GIPHY 3rd party API integration to provide users a “gif search” tool and “gif translate” tool which intelligently turns words into gifs
- Enhanced the user experience by building a clean, highly customizable messaging system through the use of emoji messages and emoji reactions
- Built a flexible multi-channel system that allows users to create new chat rooms and organize group private messaging between other users

Quicknote | JavaScript, React, Redux, Ruby on Rails, PostgreSQL [LIVE](#) | [GITHUB](#)

Full stack single page note taking app with notebook/tagging organizational capabilities.

- Implemented a rich text editor to provide users note editing tools using Quill.js
- Created efficient note autosave mechanism through state comparison and diff checks
- Constructed notes with relative time stamps and chronological note index organization through the use of Moment.js and sort functions at the redux reducer level
- Built DRY note-filtering system via backend associations and reusable React components

Cellular | JavaScript, HTML5, CSS3 [LIVE](#) | [GITHUB](#)

Interactive cell-survival JavaScript game with 3 game modes including local multiplayer.

- Built a 2D physics engine with collision detection to provide users with smooth gameplay

EXPERIENCE

App Academy - *Software Development Teaching Assistant and Tutor* JULY 2017 - PRESENT

- Teach programming fundamentals to prep students for rigorous bootcamp programs

Texas Instruments - *Applications Engineer Intern* JUNE 2014 - AUG 2014

- Developed lab testing methods for EVM and produced a 28 page user guide for clients
- Repurposed design of PMIC to allow for low-cost overheat detection functionality, and created an app guide to provide ease-of-use and setup for customers

Texas Instruments - *Validation Engineer Intern* MAY 2013 - AUG 2013

- Coordinated lab automation setup for IC testing using LABVIEW/TestStand which allowed for a 75% team-wide increase in validation testing efficiency

EDUCATION

App Academy - *New York, NY* 2016-2017

- Intensive 1000+ hour full-stack programming school with < 3% acceptance rate

Bucks County Community College - *Newtown, PA - Engineering* 2015-2016

- Relevant Coursework: Linear Algebra, Discrete Math

Rose-Hulman Institute of Technology - *Terre Haute, IN - Electrical Engineering* 2010-2014

- Relevant Coursework: Intro to Programming with Robotics, Object Oriented Programming

SKILLS

JavaScript | React | Redux | jQuery | Node.js | Express.js | Rails | Ruby | Python | SQL | MongoDB