

## CONTACT

haileybobella@gmail.com  
(908) 370-3986  
github.com/haileybee1231  
linkedin.com/in/haileybobella  
haileybobella.com

## PROFICIENT

JavaScript/ES6	Passport.js
React	MySQL
Redux	MongoDB
AngularJS	postgreSQL
Mithril.js	Heroku
Semantic UI	Git
React-Router	Ubuntu Linux
NodeJS	jQuery
Socket.io	CSS
Express	HTML

## EXPERIENCED

TDD (Chai, Mocha)  
Amazon AWS  
Docker  
neo4j  
React-Native  
Android Studio  
Backbone.js  
Angular Route  
HTML Canvas

## EDUCATION

### Hack Reactor

Advanced Software  
Engineering Immersive  
Program, 2018

### New York University

B.A. in Linguistics, Academic  
Award Recipient, 2010-2013

## PERSONAL

During my free time, I am an active guitarist, cellist, bassist, singer, and composer, a volunteer advocate for survivors of sexual assault at Austin nonprofit SAFE, and an aspiring game dev with a passion for video and board games.

# <HAILEY JANE BOBELLA />

## FULL-STACK ENGINEER

## SOFTWARE ENGINEERING APPLICATIONS

### hexology, Team Lead and Full-Stack Engineer

[hexology-game.com](http://hexology-game.com)

A hex-based strategy game you can play in your browser! Play with friends anywhere in the world, or against an AI.

- Engineered extensive front and back-end game logic and app framework using React-Redux and Express
- Implemented scratch-built single player AI using goal-oriented action planning
- Configured socket.io to allow for room-based, real-time play and chat between multiple clients
- Devised coordinate-based procedural map generation and complex combat-resolution algorithm

### hackXchange, Full-Stack Engineer

[hackxchange.herokuapp.com](http://hackxchange.herokuapp.com)

Forum with point-based economy where developers can post coding questions and vote on solutions.

- Reconfigured legacy stack (Express, AngularJS, MySQL) to allow for complex user interactions, features, and post categorization
- Allowed for persistent, secure logins using Passport's local strategy

### grassroots, Full-Stack Engineer

[hr-grassroots.herokuapp.com](http://hr-grassroots.herokuapp.com)

A tool for connecting voters with local politicians and election resources.

- Utilized React-Redux, React-Router, and Semantic UI to create components, including infinite-scroll feed
- Designed relational database schema in MySQL (development) and refactored to PostgreSQL (deployment)
- Oversaw development and Heroku deployment and kept team on task to meet deadlines and goals

### reCHORD, Full-Stack Engineer

[rechord-progression-builder.herokuapp.com](http://rechord-progression-builder.herokuapp.com)

Visualizer for creating chord progressions and looking up guitar chords.

- Used React-Redux to create dynamic guitar neck visualizer and form for chord lookup
- Integrated Guitar Party API to retrieve chord information and display on screen
- Utilized MongoDB and Express to store chord progressions to database, and deployed to Heroku with mLab

## WORK AND VOLUNTEER EXPERIENCE

### Hack Reactor, Resident Project Lead

2018

- Contributed full-stack features to internal apps in Mithril.js and neo4j
- Oversaw senior thesis projects and provided technical and leadership guidance
- Conducted technical interviews with prospective applicants
- Organized and led student study groups and supported students during sprints

### Pulse of Austin, Full-Stack Engineer

2018

- Worked on design of web app for local non-profit organization (still in alpha)

### Split, Full-Stack Mobile Engineer

2018

- Utilized React-native to develop full-stack features for bill-sharing app

### Hello World, Volunteer Instructor

2018

- Provided educational support to teens during drone-based JavaScript immersive

### GSRJ, LLP, Business Development Specialist & Paralegal

2016-2017

- Refactored firm web and social media presence on Wordpress

### LexION Capital Management, Assistant to The CEO

2014-2015

- Designed and curated Wordpress site and ran successful SEO campaign