CONTACT

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PROFICIENT

JavaScript/ES6
React
Redux
AngularJS
Mithril.js
Semantic UI
React-Router
NodeJS
Socket.io
Express
Passport.js
mySQL

MongoDB
Bcrypt
Axios
postgreSQL
Knex
jQuery
Heroku
WordPress
Git
Ubuntu Linux
CSS
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
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
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
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 databsae 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
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 retrieved 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