
Technical Skills

Strong: JavaScript, Angular, React, Mithril, Express, Node, jQuery, SQLite, PostgreSQL, HTML, MongoDB, Git

Experienced: Java, C++, Standard ML, CSS, Passport, Authom, Chai, Mocha, Karma, EJS, MATLAB, Phaser.io

Recent Projects

- Stately Shower ~ Solo Developer** <https://statelyshower.club> 2017
App built for the residents of Magdalene College for reserving the limited shower and bath facilities of the building
- Facilitated the everyday lives of 10 students living in several different residential blocks
 - Integrated with Facebook OAuth for easy user login
 - Employs Google's Firebase.js for real-time interaction between user and database
 - Constructed in React.js, styled with CSS flexbox, with a Node-Express back-end server
 - Built in one afternoon, with continued updates and improvements throughout the school year
- PartnerUp ~ Lead Front-End Engineer, Git Master** <https://partnerup.makerpass.com> 2016
Web app that forms student project groups, storing past groupings, avoiding repeating partners, and allowing for user input
- Facilitated the instruction of Hack Reactor classes of 30 students in Austin, TX
 - Integrated login authentication with the existing Hack Reactor user database for seamless deployment
 - Architected using a PostgreSQL, Express, AngularJS, and Node tech stack
 - Designed an algorithm for generating randomized student groups while avoiding repeating partners
 - Interfaced with Hack Reactor instructors throughout production for client-focused development
 - Managed the git workflow of the team of 4, resolving merge conflicts and ensuring smooth remote development
- Co-Star ~ Lead Fullstack Engineer, Scrum Master** <https://co-star.herokuapp.com> 2016
Web app for searching for movies starring multiple actors, also featuring a game that tests users' movie knowledge
- Implemented the responsive single-page application with multiple routes using AngularJS
 - Designed gameplay and engineered logic for the game component
 - Created back-end endpoints using Express and Node.js to connect the front end to our database
 - Persisted actor data using a Mongo database, structured using Mongoose schemas
 - Deployed live on Heroku, available for public use
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Work Experience

- Upstream Brokers ~ Intern, Information Technology and Data Entry** 2015
Property and Casualty insurance brokers to large upstream oil companies in Texas and Louisiana
- Created macros in Visual Basic to automate existing Microsoft Excel spreadsheets, such as expense forms
 - Debugged user issues in Information Technology for a team of 16 employees
 - Passed exam and gained license to sell insurance (Property and Casualty) in the state of Texas
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Education

- University of Cambridge ~ B.A., Psychological and Behavioural Sciences** 2017
- Foundations of Computer Science, Object-Oriented Programming, Programming in Java, Algorithms, Discrete Mathematics, Software and Interface Design, Operating Systems, Numerical Methods, Programming in ML
- Hack Reactor ~ Advanced Software Engineering Immersive** 2016
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Personal

Captained multiple Ultimate Frisbee teams at university. Avid Super Smash Bros. Melee player (Grand total of \$27 in tournament winnings). Formerly could speak Spanish fluently (but it's been a while, so I might be rusty). Played chess competitively for several years, winning 1st place (team) in the National Interscholastic Championship in 5th grade.