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## 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, Photoshop

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## 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 (2nd Class Honors, Div. 1)

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. 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 and again in 10th grade.*