

# Sohi Kim

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## SKILLS

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React, Redux, Ruby on Rails, JavaScript, Java, Node.js, jQuery, HTML, CSS, SQL, Webpack, Git

## PROJECTS

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**Honey Splash** | React, Ruby on Rails, JavaScript, SQL, HTML, CSS [Live](#) [Github](#)

- Developed a single page task management app using modern web technologies that allows users to create and manage lists and tasks
- Utilized jBuilder to generate and render JSON responses to REST API calls
- Engineered authentication on the backend and frontend to personalize user experience by only showing lists and tasks they are authorized to see

**Breakout on a Curve** | JavaScript, HTML, CSS [Live](#) [Github](#)

- Created a JavaScript game with HTML Canvas by giving a new twist to an old classic with a semicircular paddle, making for a more dynamic gameplay style
- Redesigned paddle reflection logic to take advantage of the new curved paddle design
- Employed mathematics of trigonometry to calculate new velocity of the ball upon paddle collision

**Chess** | Ruby [Github](#)

- Engineered an object-oriented implementation of the game logic of chess on the terminal
- Utilized modules to implement chess piece moves of similar nature

## WORK EXPERIENCE

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**App Academy** New York, NY  
*Jumpstart TA* January 2019 – Present

- Prepare and deliver lectures on Ruby fundamentals and programming best practices
- Facilitate pair programming exercises by answering technical questions and partnering with students

**Amherst College IT Department** Amherst, MA  
*IT Specialist* September 2017 – May 2018

- Provided technical support in person, by phone, and via online incident tracking system
- Researched and identified solutions to software and hardware issues

**Amherst Community** Amherst, MA  
*Mathematics Private Tutor* January 2017 – May 2017

- Successfully increased student's fondness for Geometry and performance by a letter grade

## EDUCATION

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**App Academy** New York, NY  
*Immersive full-stack software development program* September 2018 – December 2018

**Amherst College** Amherst, MA  
*Bachelor of Arts in Mathematics* Graduated May 2018

*Relevant Coursework:* Data Structures \* Programming Methodology \* Computer Systems \* Introduction to Analysis \* Abstract Algebra \* Linear Algebra \* Multivariable Calculus \* Statistical Modeling