

Sohi Kim

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EDUCATION

App Academy

Immersive full-stack software development program

New York, NY

September 2018 - December 2018

Amherst College

Bachelor of Arts in Mathematics

Amherst, MA

Graduated May 2018

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

PROJECTS

Honey Splash

[Live](#)

[Github](#)

- Developed a single page task management app using modern web technologies, such as React, Redux, and JavaScript for the frontend, along with Rails for the backend
- Personalized user's experience by persisting user's lists and tasks to an authenticated user's account
- Utilized HTML5 and CSS3 to incorporate styling that supports a user-friendly interface

Breakout on a Curve

[Live](#)

[Github](#)

- Created a JavaScript game 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

[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

Amherst College IT Department

IT Specialist

Amherst, MA

September 2017 – May 2018

- Provided technical support in person, by phone, and via online incident tracking system
- Maintained public computing facilities on campus

Amherst Community

Private Tutor

Amherst, MA

January 2017 – May 2017

- Taught middle school mathematics
- Designed lesson plans aimed at raising skill, confidence, and interest in mathematics
- Successfully increased students' performance on homework and exams by a letter grade

SKILLS

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