

# Jeffrey Marks

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Full-stack web developer with extensive experience in Ruby on Rails, JavaScript, and React. My love for logic and problem solving always drives me to find better solutions to bigger challenges. I bring everlasting inquisitiveness, the desire to collaborate, and get things done right. Conversationally fluent in Japanese.

## Technical Projects

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**Alexandria** — [Demo Video](#) — [Front-End Github](#) — [Back-End Github](#)

*A solo project tool for uploading, comparing, and managing Magic: the Gathering decklists.*

- Built Rails backend to manage a database that sends various search requests to an external API.
- Designed straightforward React interface, which allows for easy navigation.
- Implemented libraries such as Redux and React Router lend powerful functionality.
- Customized with Semantic UI and custom CSS to lay out this app in an eye-appealing but intuitive manner.
- Login and signup carefully curate what content is seen by which users.

**Cook This** — <https://cookthis.herokuapp.com/> — [Front-End Github](#) — [Back-End Github](#)

*An app for scraping recipes and cooking along with them.*

- Developed Rails backend to take a recipe URL and save an according database entry with all relevant attributes.
- Created React frontend that gives this app an easily navigable interface, which presents no learning curve.
- Collaborated with a partner, which helped me develop my pair programming and Git etiquette skills.

**Swimmy Otter** — <http://swimmy-otter.herokuapp.com/> — [Front-End Github](#) — [Back-End Github](#)

*Whimsical vanilla JavaScript game about an otter dodging logs.*

- Incorporated game development paradigmatic thinking, which exposed me to an entirely new way of coding.
- Utilized math and pseudo-physics, an entirely new problem set compared to website development.

## Technical Skills

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Fluent in Ruby and JavaScript, specifically with Ruby on Rails and React, respectively. Proficient with LaTeX and Mathematica, which were used to write my Senior-year research project *Rotational Symmetries of Regular Three Dimensional Solids*. Experience with Python, C++, MATLAB, SQL, and Excel.

## Employment History

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**Queens County District Attorney's Office** — Queens, NY

Summer Intern, *Summer 2016*

- Aided first-time misdemeanor offenders to stay out of the criminal justice system at the "Second Chance" program.
- Conducted interviews to determine whether individuals were appropriate for the program.
- Supported the prosecution in court by taking notes and assisting with relevant case files.

**Hi Art!** — New York, NY

Camp Counselor, *Summers 2013 and 2015*

- Created and managed the schedules of campers aged 6 to 14 over 8 weeks period.

## Education

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**Flatiron School** — 2019

- Full Stack Web Development 15-week immersive program on Ruby, Ruby on Rails, JavaScript, and React.

**Union College** — Schenectady, NY — 2017

- B.Sc. in Mathematics (Major GPA: 3.76) and Japanese (Minor GPA: 3.6)