

# HUIJIA “EMILY” WU

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[Linkedin](#)

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[Portfolio](#)

New York, NY

**SKILLS** React, Redux, Ruby, Ruby on Rails, Javascript, Python, jQuery, Express, SQL, MongoDB, Git, HTML, CSS3

## PROJECTS

**NekoBook** (Ruby on Rails, React, Redux, HTML, AWS and CSS3)

[Live Site](#) | [Github](#)

*A full-stack single-page Facebook clone where users can make friends, edit their profiles and photos, write posts/comments, and keep up with their friends' activities.*

- Developed an advanced PostgreSQL schema for allowing users to make outgoing friend requests (e.g., sending or cancelling), handle incoming friend requests (e.g., notifications, confirming/rejecting), and manage established friendships (e.g., unfriend)
- Leveraged React to create an intuitive user interface, including streamlined profile editing and post & comment creation/editing
- Utilized AWS S3 to store and host user-uploaded profile picture and cover photos
- Developed customized front & back-end validation for user signup and implemented user authentication in Rails

**Eight-Ball Pool Simulator** (Javascript, HTML, and CSS)

[Live Site](#) | [Github](#)

*A vanilla JavaScript project simulating the gameplay mechanics of an eight-ball pool game, visualized using Canvas HTML.*

- Designed and implemented a backend for handling game logic, using an Object-Oriented-Programming (OOP) approach
- Employed HTML5 Canvas for rendering the main features and controls for the game, including pool balls, table, and cue stick
- Implemented collision detection and a rudimentary physics engine simulating 2D ball motion (e.g., collisions with other balls and table edges, speed reduction due to friction)

**FishyDex** (MongoDB, Express, React, Redux, Node.js, HTML, and CSS)

[Live Site](#) | [Github](#)

*A full-stack single-page web application where users can add/view information about fish and fishing spots and share their catches with other users.*

- Collaborated in a four-man team to develop a full-stack social platform, focusing on backend implementation and providing flex support in frontend code review and debugging
- Utilized Express to create backend routes for handling CRUD operations for storing different fish and fishing spots
- Set up MongoDB to record user information, fish and fishing spots, and many-to-many relationships for fish and fishing spots

## EXPERIENCE

**McKinsey & Company, Senior Business Analyst** New York, NY

2016-2019

- Worked on 10+ one- to three-month projects related to regulatory stress testing, compliance, and conduct risk mitigations for three large international financial institutions and multiple regional US banks
- Developed a detailed cross-functional risk assessment framework for a pharmaceutical client, allowing them to evaluate their portfolio of several thousand products
- Developed a comprehensive playbook for crisis management and preparation, leveraging interviews with 20+ industry experts

**Boston Federal Reserve Bank, Senior Research Analyst** Boston, MA

2015-2016

- Conducted research into consumer payment preferences and behavior using individual-level survey data
- Utilized Stata to analyze the spending behavior of thousands of individuals and transactions
- Participated in the development of future surveys, identifying key questions for answer open questions on payment preferences

**Harvard University, Teaching Fellow** Cambridge, MA

2014-2015

- Served as the head teaching fellow for a course on asset pricing, leading a team of 3 Teaching Fellows and covering 80+ students
- Taught sessions for 20+ undergraduates each week, reviewing key finance concepts from lecture

## EDUCATION

**App Academy** New York, NY

2020

- Full-stack web development bootcamp with <3% acceptance rate, with 1,000+ hour curriculum

**Harvard University** Cambridge, MA

2012-2015

- Ph.D.: Economics - Incomplete; Master of Arts: Economics - March 2015

**Princeton University** Princeton, NJ

2008-2012

- Bachelor of Arts: Economics, *summa cum laude*, Phi Beta Kappa, GPA: 3.90/4.00
- Certificates (Minors): Finance, Applications of Computing (Applied Computer Science)
- Burton G. Malkiel \*64 Senior Thesis Prize in Finance, Kathleen Traynor '83 Senior Research Prize