

# Cole Reardon

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## EDUCATION

**Northeastern University, Khoury College of Computer Sciences** Boston, MA  
*Bachelor of Science in Computer Science and Business Administration* September 2019 – May 2023  
**Awards and Activities** *Dean's List, Student Conduct Board, Code4Community Jumpstart*  
**Relevant Coursework** *Fundamentals of Software Engineering, Information Visualization, Computer Graphics, Database Design, Computer Systems, Algorithms and Data, Object Oriented Design, Discrete Structures*

## WORK EXPERIENCE

**RECUR** Boston, MA  
*Frontend Engineer* January 2022 - July 2022

- Actualized UI designs by fabricating 30+ React components to build 4 websites for a streamlined user experience.
- Standardized and refactored dozens of existing components to increase developer efficiency by over 150%.
- Created a real-time sale countdown via interfacing with internal APIs to maximize customer attention.
- Unit-tested components using Jest to eliminate and prevent over 10 existing bugs and avoid website downtime.

**Fidelity Investments** Boston, MA  
*Systems Engineer* January 2021 - July 2021

- Saved business units at least 3 hours per presentation by developing a data visualization generator with Java.
- Reduced phone-based client transactions by 2 hours each by designing and scripting a survey-style application.
- Led a team of 3 developers to architect a presentation creator for business unit data with Java, HTML, and CSS.
- Gained understanding of application design from a business perspective by attending monthly executive meetings.

**Supply New England** Attleboro, MA  
*Management Trainee* May 2017 - September 2020

- Increased promotions page readability by using HTML and CSS to create a modern, aesthetically pleasing page.
- Boosted Facebook and Instagram interactions by over 300% by automating regular engagements and updates.
- Oversaw product movement through a central warehouse with Epicor Eclipse to reduce inventory errors to near 0.
- Maintained a relationship with over 50 customers while distributing product to maximize profits.

## PROJECT AND VOLUNTEER EXPERIENCE

**Code4Community** Boston, MA  
*Fullstack Developer* September 2020 - Present

- Implemented a custom hook for simultaneous filtering, searching, and sorting of over 200 records to improve UX.
- Implemented 4 pages for blogging functionality by developing TypeScript-based, user-friendly React components.
- Streamlined data storage by constructing a database in PostgreSQL that efficiently stores user and post data.
- Accelerated peer learning and collaboration by corresponding with team members and mentors weekly.

**Ray Tracers - Offline and Online** | *TypeScript, WebGL, HTML* July 2022 - August 2022

- Developed an offline ray tracer in TypeScript from scratch that renders .obj files with 4 customizable materials.
- Designed and implemented an online, real-time, and interactive ray tracer using WebGL shaders.
- Decreased rendering time by 50% by implementing a bounding volume hierarchy structure for imported objects.

## SKILLS AND INTERESTS

**Languages:** JavaScript & TypeScript, HTML, CSS & Sass, Java, Python, SQL, C, Swift & SwiftUI  
**Frameworks:** React, Node.js, Next, Jest, WebGL, Spring, MySQL, PostgreSQL, MongoDB  
**Developer Tools:** Git, Docker, Maven, Figma, Google Cloud Platform, VS Code, Visual Studio, IntelliJ, Eclipse  
**Libraries:** pandas, NumPy, Matplotlib, Altair, TailwindCSS, Material UI, Storybook  
**Hobbies:** Film Photography, Travel, Fitness, Board Games, Skiing, Language Learning