

Ruby Galdean

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EDUCATION

Columbia University, New York City, NY

Graduated: May 2023

- B.A. in Computer Science: Applications Track

Related Coursework

- User Interface Design, Intro to Data Visualization, Computational Thinking and Data Science, Strategic Design, Introduction to Data Structures in Java, Computer Science Theory, Computational Linear Algebra, Advanced Programming, Developing Accessible Interfaces

PROJECTS

Web Development Portfolio Website (<https://galdean.github.io>)

2021-2023

- Responsive, interactive design-oriented website built with HTML, CSS, JS, and Bootstrap
- Showcases web development and UI/UX design projects as well as my resume

Visualizing NYC Subway Ridership During the Pandemic (<https://lahaynes.github.io/mtaridership/>)

2023

- Collaborated on a group project to visualize the impact of the Covid-19 pandemic on NYC subway ridership. Utilized d3.js for data visualization, analyzing datasets to illustrate the changes in ridership over time. Explored stations with significant declines and identified areas that have yet to recover to pre-pandemic levels.

One-Button Accessibility Chrome Extension (<https://tinyurl.com/2s4ktna6>)

2023

- Designed and developed a Google Chrome extension to provide accessibility for individuals with motor issues and physical disabilities. The extension enables users to navigate websites using only one button, simplifying the browsing experience, particularly with the spacebar as the primary control.

Accessible Website with Chatbot (<https://tinyurl.com/4fbhz939>)

2023

- Developed an educational blog highlighting the key components of building an accessible website. The website incorporates an integrated chatbot powered by OpenAI's ChatGPT API, allowing users to ask questions using speech-to-text technology for a more interactive experience.

Hackathon Database Website (<https://tinyurl.com/yp9pfavy>)

2020

- Flask-built database of college hackathons in the United States which users can interact with by viewing data entries, searching data, and creating new data to be added to the server

SKILLS

- Languages: HTML / HTML5, CSS / CSS3, JavaScript, and Python
- Bootstrap, jQuery, D3.js, Numpy, Pandas, Data Science package, Matplotlib, Observable, Jupyter Notebook, Anaconda, Git, Github, Posit Cloud, Adobe Photoshop, APIs, Tableau, Figma, Visual Studio
- Incorporates responsive design and user interface design best practices
- Creates high and low-fidelity mockups, wireframes, and UX tests
- Transforms CSV data into interactive data visualizations, creating a narrative story

EMPLOYMENT

INCITE, NYC, NY --- Special Projects Intern

2022

- Scans letters written to Warren Buffet, his wife, and sister
- Digitally redacts sensitive and personally identifiable information
- Performs data entry regarding the contents of the letters using researcher-provided guidelines

TTEC, Greeley, CO --- Web Customer Support Agent

2021

- Manages inbound calls regarding USAA bank members' online accounts
- Troubleshoots, researches, documents, and resolves technical issues

Goodwill Industries, Loveland, CO --- Clothing Associate

2021

- Sorts unprocessed donations, hung clothing, and determined fair market prices

LEADERSHIP

- Columbia University's Women in Computer Science (WiCS) Community Chair

2019 – 2020