

Rebecca Lassiter

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Education

Northwestern University, McCormick School of Engineering, Evanston, IL

BS/MS Computer Science, 3.54/4.00

Anticipated December 2020

Academic Achievement Honors, Fall 2017, Spring 2018, Spring 2019

Skills

Programming Languages: Python, Javascript, C#, C/C++, SQL, Perl, Rust, GoLang, R, HTML, CSS,

Libraries: Mapbox JS, D3, ReactJS, Flask, NumPy, Microsoft's Platform for Situated Intelligence (\psi)

Software/Tools: GIS, Firebase Realtime Database, Matlab

Work Experience

Boeing

June 2019-August 2019

Software Engineering Intern

- Used C# to develop and test plugins to extend the capabilities of a Ground Control Software (GCS), allowing for greater user customization and interactivity.
- Integrated raw data from the FAA and applied commercial aviation standards to modify the GCS displays, user interactions, mission data, and flight simulations.

Northwestern Industrial Engineering, Professor Karen Smilowitz

March 2019-Present

Research Assistant

- Used Javascript, Flask, and Mapbox JS to develop an interactive tool that integrates an optimization model used in school districting decisions. The tool displays and analyzes the results of the model and its inputted parameters.
- Collaborated with the research team of Industrial Engineers and school district officials to evaluate user needs and translate requirements into a working project.

Northwestern University Computer Science Department

September 2018-March 2019

Peer Mentor: Fundamentals of Computer Science

- Hosted weekly office hours and tutorial sessions for students in introductory computer science course. Explained concepts that were taught in class, assisted students with assignments and debugging, contributed to grading of homework and exams.

Technical Experience

Affective Agent Reasoning Engine

April 2020-June 2020

- Used C#, \psi, and python to create a reasoning engine as a component of a larger Affective Agent, designed to help users develop active listening skills.
- Acted as Integration Liaison, ensuring that my team's components successfully integrated with the project's pipeline. Communicated and collaborated with other teams to ensure our components aligned with the larger project's goals.

Chicago Interactive Data Visualizations

October 2019

- Created interactive data visualizations using D3 to display information regarding the Chicago area's commuting habits and non-English language use.
- Collected, cleaned, and transformed data from the Chicago Open Data Portal. Used principles of interactive information visualization to display multiple complex data relationships in an intuitive manner.

Extracurriculars

Northwestern University Community for Human Rights (NUCHR)

Director of Finance

February 2018-February 2019

- Planned and organized an annual four-day Human Rights Conference—contributing to the selection of a theme, panel topics, and overall logistics.
- Create, maintain, and monitor NUCHR's spending and budget of approximately \$60,000. Approve and coordinate contracts, invoices, and third-party payments.

Delegate Development Co-director

February 2017-February 2018

- Marketed and promoted our conference to college students across the nation. Reviewed and accepted applications.
- Acted as a liaison for the approximately 50 delegates that attend our conference, ensuring they understand protocol and have a positive experience.