

Rebecca Lassiter

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Education

Northwestern University, McCormick School of Engineering, Evanston, IL

BS/MS Computer Science, 3.57/4.00

Anticipated December 2020

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

Skills

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

Libraries: ReactJS, Flask, Tensorflow, Mapbox JS, NumPy

Software/Tools: GIS, Firebase Realtime Database, Weka, Matlab Computing Software

Work Experience

Boeing

June 2019-August 2019

Advanced Mission Systems Intern: Boeing Research and Technology

- 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. Used principles of data visualization, iterative design, and HCI.

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.

Ford Motor Company

June 2018-September 2018

Information Technology Intern: Global Incident Management Team

- Regularly attended Daily Operations Review meetings and Incident Bridges in which IT issues were managed and follow-up actions were discussed regarding incidents across Ford's global operations.
- Compiled a database of the business impact of various enterprise applications, to be used in an executive communication tool. Interviewed the managers of 230 different applications to determine the possible business impact each application could have in the case of an incident.

Technical Experience

Flashcard and Studying Reminders App

January 2019-February 2019

- Worked with a team to create a web application that allows users to create online study-sets and reminds them to study at the most effective intervals.
- Used ReactJS, Firebase Realtime Database, Agile methodologies, and principles of design.

Extracurriculars

Northwestern University Community for Human Rights (NUCHR)

Director of Finance

February 2018-February 2019

- Organized an annual four-day Human Rights Conference—contributing to the selection of a theme, panel topics, and overall logistics.
- Created, maintained, and monitored NUCHR's spending and budget of approximately \$60,000. Approved and coordinated 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 attended our conference, ensuring they understood protocol and had a positive experience.