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Tessa Newman-Heggie

148 Wheeler St. S, Saint Paul, MN 55105

Education

Carleton College

Northfield, MN

- Bachelor of Arts in Computer Science and Linguistics; Minor in French (Anticipated) June 2021
- GPA: 3.89 ; Dean's List (2018-2019, 2017-2018)
- Study abroad: Center for University Programs Abroad (Paris, France; Rabat, Morocco) March – June 2019

Technical Experience

Ruby for Good (Remote Conference)

September 2020

- Developed full-stack Ruby on Rails applications for non-profit companies with a remote team of engineers

Software Engineer Intern (Remote)

June – August 2020

Shift Interactive

West Des Moines, Iowa (Remote)

- Built full-stack Ruby on Rails Applications remotely with an engineering team employing Agile and TDD
- Performed in the top 50% of company engineers based on measures of productivity.
- Leveraged oral and written communication to connect with clients and build features based on feedback.

CS257: Software Design

January – March 2020

- Built a website and API that retrieved information from a database, using HTML, CSS, SQL, Python and Flask
- Employed test driven development and Agile principles while collaborating with teammates to meet deadlines

CS251: Programming Language Design and Implementation

September – November 2019

- Built a C interpreter for Scheme.
- Collaborated with a team to solve complex coding problems in a timely manner to meet a deadline

Research and Product Development Intern

June – July 2019

Computer Science and Engineering Laboratory at *Université Paris Sud*

Orsay, France

- Designed an NLP system in Python for a chatbot and created 4000+ unique English phrases to train a virtual patient Lifelong Learning AI system used by medical school students around the world
- Tested supervisors' chatbot and provided written feedback about errors found to enhance user experience

Volunteer/Work Experience

Computer Science Department Lab Assistant

September 2020 – Present

Carleton College

Northfield, Minnesota

- Guide computer science students through coding projects and optimize code design

Computer Science Student Departmental Advisor

September 2020 - present

Carleton College

Northfield, Minnesota

- Hold weekly office hours to advise students on Computer Science classes to ensure student success

Library Circulation Desk Staff

March 2018 – March 2020

Carleton College

Northfield, Minnesota

- Resolved patron's concerns and questions about library circulation, 10 hours/week
- Provided strong customer service by asking open-ended questions, to deliver a product that fits patron's needs

New Student Week Leader

September 2018 and 2019

Carleton College

Northfield, Minnesota

- Facilitated group discussions and presentations on diversity, consent and sexuality, and mental wellbeing

Skills

- Computer: Ruby on Rails, Java, Python, C, Scheme, HTML, CSS, SQL, Flask and GitHub
- Language: French (fluent), Spanish (beginning/intermediate)