

# Thomas W Geiger

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## EDUCATION

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### University of Rochester

Rochester NY, Anticipated May 2021

- B.S. Computer Science, Minor in Audio & Music Engineering; GPA 3.31

## SKILLS

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- Proficient in C, Java, Python, HTML, MySQL; Fundamental knowledge of JavaScript, PHP, Git, Bash, Multithreading, Networking
- Experience in Jira and Agile development ecosystems

## EXPERIENCE

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### University of Rochester, Teaching Assistant

Rochester NY, Feb 2020 — Present

- Hold office hours and respond to questions in database design and web development.
- Assist in grading and course logistics.

### DigitalOcean, Contractor

Remote, Summer 2020

- Wrote and published 130 descriptions for programming tutorials on DigitalOcean's website.
- Migrated 70 programming tutorials from deprecated sources to DigitalOcean's website and edited embedded HTML, CSS and JavaScript to maintain function and style.

### DigitalOcean, Technical Marketing Intern

New York NY, Summer 2019

- Generated insights on user satisfaction through development of a comment sentiment analysis tool utilizing Python, Pandas and the Gensim topic modeling library.
- Automated delivery of insights to website editors via the Slack API and Google Scripts.
- Collaborated through GitHub and Jira, and presented findings to the whole company.

## PROJECTS

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### OpenPantry

Nov 2020

- Developed a full-stack web application for searching Food.com recipes by ingredients and keywords, using PHP to authenticate users, query a MySQL database, and serve web content.

### COVID-19 Pre-Screening System

Aug 2020

- Worked for a local non-profit preschool to deliver a health tracking system for students and teachers, using Google Apps Scripts and Google Forms API to deliver a daily health survey.
- Quickly deployed a mobile app for preschool administrators to validate health survey results and check students in, using the AppSheet no-code platform.

### CitiBike Neural Network

Dec 2019

- Trained a neural network and other classifiers on bike-sharing data to predict the destination of any bike trip to within a two-mile radius, utilizing Python, Pandas and the Scikit-learn library.

## LEADERSHIP

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### Computer Science Undergraduate Council, Tutor

Sep 2020 — Present

- Host weekly virtual office hours for tutoring and mentoring in Computer Science.

### DandyHacks 2020, Hackathon Mentor

Oct 2020

- Provided coding help and advice to participants in the University of Rochester's hackathon.