

Thomas W Geiger

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EDUCATION

University of Rochester

Rochester NY, Anticipated May 2021

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

SKILLS

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

EXPERIENCE

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

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

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.