Thomas W Geiger

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EDUCATION

University of Rochester   *Sep 2017 — May 2021*
- B.S. in Computer Science, Minor in Audio & Music Engineering
- Computer Science Undergraduate Council, Tutor

EXPERIENCE

M&T Bank, Software Engineer   *July 2021 — Aug 2023*
- Created Java Spring microservices to provide account and transaction data for user account pages, deployed to OpenShift. Used IBM MQ as high-throughput middleware to pass transaction data to alerting and fraud detection teams.
- Refactored .NET front end to use modern microservices, replacing end-of-life APIs while maintaining parity with current web application.
- Developed Angular front end from Figma, implemented business logic to filter transactions.
- Led as new grad Community chair, organized volunteer events and a $15k budget hackathon.

University of Rochester, Teaching Assistant   *Feb 2021 — May 2021*
- Led workshops and office hours in MySQL database design and PHP web development.

DigitalOcean, Marketing Data Science Intern   *Jun 2019 — Aug 2019*
- Improved community website editor efficiency by automating detection of negatively received articles. Used Python, Pandas and Gensim machine learning to identify negative comments and deliver reports to editors' Slack channel.

SKILLS

- React, Angular, JS, CSS, Java, Python, Pandas, Flask, SQL, graphic design, audio production

PROJECTS

Trending Google Searches   *Apr 2022*
- Published a Javascript powered Chrome extension and website displaying the top 20 trending Google searches directly in-browser, with data fetched from Google's search trends RSS feed.

PromoParlor   *Dec 2021*
- Deployed a custom Discourse forum on DigitalOcean droplets, scaling to handle 250 posts/month and 300 emails sent/day using Mailgun and AWS S3 cloud storage.
- Modified a Ruby plugin to automate sending dynamic emails to users daily using Sidekiq.

Tuner Spotify Integration   *Apr 2021*
- Built a React app with Material UI and the Spotify API, handling OAuth and providing users the ability to control individual parameters of the Recommendation algorithm, and save playlists.

COVID-19 Screening System   *Aug 2020*
- Deployed a health screening system for a local non-profit during COVID-19, using Javascript to send daily Google Forms, and AppSheet to display responses in a mobile app for check-in.