

# Mark Ferenc Sternefeld

📍 Rochester, NY  
✉ mfs5944@rit.edu  
☎ (973) 362-5388

🌐 [linkedin.com/in/mark-f-sternefeld](https://www.linkedin.com/in/mark-f-sternefeld)  
🐙 [github.com/Mster115](https://github.com/Mster115)  
🌐 [markfsternefeld.dev](https://markfsternefeld.dev)



## Objective

A goal-oriented software engineer seeking an internship to strengthen my skills for the summer of 2024.

## Experience

### Cloud Engineering IT Co-Op, May 2023 - Present Vanguard | Malvern, Pennsylvania

- ◀ Designed and developed an ECS Insights application to reduce costs and improve overall visibility of current applications
- ◀ Improved and built upon existing webservice to increase performance by reducing complexity
- ◀ Analyzed cluster data to create data models to showcase data trends and percentiles

**Tools:** React, NextJS, TypeScript, Python, Java, AWS, Bamboo, JavaScript, HTML, Tailwind, Bitbucket, Jira, Scrum

### Cloud Software Engineer Co-Op, May 2022 - Jan 2023 Carrier-LenelS2 | Pittsford, New York

- ◀ Spearheaded development for a Native Mobile App for iOS and Android to set the foundation and structure of mobile development
- ◀ Ensured secure billing APIs throughout the frontend and backend applications to reduce vulnerabilities
- ◀ Collaboratively developed a user navigation overhaul to improve site navigation and accessibility
- ◀ Refactored overall UI/UX by standardizing UI components to improve the user's experience

**Tools:** React, Node.js, Android, Swift, Cucumber, Azure, Jenkins, JavaScript, HTML, CSS, Git, Kanban, Rally

## Research Project

### Project Manager, Full Stack Developer & Researcher, Oct 2020 - Present Accessible Learning Labs | Rochester, New York

- ◀ Managed a research and technical team spread between multiple universities to promote team cohesion and momentum
- ◀ Led design and development of an Ethics of AI learning lab to teach the importance of equitable software
- ◀ Published and presented a research paper at the International Conference of Software Engineering to promote the conversation of equity and user bias
- ◀ Designed a new project brand image and implemented an overhaul of the project site to showcase the new direction

**Tools:** React, Node.js, HTML, CSS, PostgreSQL, Git, Agile, Trello

## Publications

[1] Sternefeld, Mark ; [and 4 others]: Do Users Act Equitably? Understanding User Bias Through a Large In-Person Study. In: ACM/IEEE 42nd ICSE: SEIS. New York, NY, USA : Association for Computing Machinery, 2023 (ICSE-SEIS '23)

## Languages & Frameworks

JavaScript

React

Node.js

TypeScript

Swift

Java

Python

PostgreSQL

Android

## Technical Skills

AWS

Azure

Git

Managing

Planning

Marketing

HTML/CSS

Scrum

Agile

## Organizations & Activities

Women in Computing - Ally  
Society of Software Engineers – Mentor  
Intramural Flag Football  
Recreational Power-lifting

## Education

BS, Software Engineering, 3.48 GPA  
Minor: Business Administration  
Rochester Institute of Technology  
◀ Dec 2024