

Eric Doering

Brooklyn, NY

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SUMMARY

Software Engineer with a background in Civil and Environmental Engineering, experienced in full-stack development and building data-driven tools. Passionate about using technology to solve real-world problems in infrastructure and sustainability. Seeking full-time opportunities in the NYC area or remote.

SKILLS

- TypeScript/JavaScript/HTML/CSS
- React/Node.js/Express/Next.js
- Python/Flask
- MaterialUI/Bootstrap/Tailwind CSS
- SQL/SQLAlchemy/PostgreSQL
- MongoDB
- Git/Github/Bash
- Amazon Web Services/Vercel
- ArcGIS, R
- UI/UX design
- Documentation & reporting
- Problem solving and innovation
- Usability, Unit, and Integration testing
- APIs and microservices
- AI and automation tools
- Effective public speaking and presentation
- Strong research skills
- Team management and mentoring

EXPERIENCE

Acoer, **Software Engineer**

03/2024 – Current

- Designed and implemented key features for health record management and data analytics systems, enhancing data accessibility and supporting clinical decision-making across healthcare platforms.
- Bootstrapped an AI assistant from the ground up, trained on GLP-1 pharmaceutical data, and developed complementary tools to enhance data exploration, trend analysis, and decision support.
- Collaborated with the engineering team to design and deliver new software features, while improving codebase quality through refactoring, testing, and documentation.

Arcadis, **Environmental Engineer**

08/2021 - 06/2024

- Mentor and manage junior level staff including conducting on site training, creating lesson plans, and leading staff projects.
- Utilized GIS software to maintain data tracking, manipulation of geolocation data, and creation/maintenance of reporting.
- Oversee NYCDPR environmental engineering projects and conduct on-site reporting and data collection.
- Present and communicate with Arcadis staff as well as clients such as New York City Department of Parks and Recreation and New York Department of Environmental Conservation.

EDUCATION

Springboard

06/2022 - 05/2023

Software Engineering Certificate

- Completed an 800-hour course covering key aspects of front-end web development, back-end web development, databases, and data structures and algorithms.
- Modules include learning resources, practice exercises, projects, and career-related coursework.
- Web Development, JavaScript, DOM Manipulation, Event Driven Programming, Git/Terminal/GitHub, Modern JavaScript and Testing, AJAX, ReactJS, Redux, SQL, PostgreSQL, Python, Flask, Node.js, Express, Data Structures and Algorithms.

SUNY Environmental School and Forestry

09/2019 - 05/2020

Master's Degree in Environmental Science with a focus in Data Science and Modeling, M.P.S.

- Used R programming language for model building and data science on a range of engineering projects/scenarios.
- Used R and ArcGIS for the final capstone project.

SUNY New Paltz

08/2015 – 05/2019

BS, Physical Geology

Featured Project

Population Plotter (12/2023 - 2/2023)

- Built a single page application that dynamically graphs major population data and provides AI analytics on the trends.
- Single page application utilizing (TypeScript, React, Tailwind CSS, NextJS, D3, OpenAI).