

Application Form

Profile

William

First Name

S

Middle
Initial

Steinke

Last Name

Email Address

Home Address

Suite or Apt

City

State

Postal Code

What district do you live in? *

☒ District 5

Primary Phone

Alternate Phone

Novonesis

Employer

Senior Data Analyst

Job Title

Please look at the vacancy page before applying. Some Boards, Committees and Commissions have requirements that they are looking for in an applicant, such as specific skills or member types such as Adult or Student.

The Vacancy page can be found here:

[VACANCIES](#)

Which Boards would you like to apply for?

Bicycle and Pedestrian Facilities Committee: Submitted

Why are interested in joining this Board, Committee or Commission?

[WilliamSteinke_24122024_Resume.pdf](#)

Upload a Resume

If you have issues uploading your resume, email it to Misty Richey at mrichey@wauwatosa.net

If you need to send your resume separately, complete the remainder of the application, save it, and we will submit both the application and resume for you.

Please tell us about yourself and why you want to serve.

I am writing to express my interest in serving as a resident member of the Bicycle and Pedestrians Facilities Committee for Wauwatosa. As a resident of the fifth district, I am deeply invested in the well-being and development of our community. Living in a car-light household with only one car for two working adults, I have first hand experience with the urban fabric of Wauwatosa and surrounding region which allows me to get around without a second car. I frequently use public transportation, ride my e-bike, and walk to my destinations. This lifestyle has given me a unique perspective on the benefits and challenges of alternative transportation methods. As a member of this committee, I aim to demonstrate to other residents that it is possible to live, work, and play in Wauwatosa using transportation options such as biking, walking, and public transit. Equally important is ensuring that the infrastructure for pedestrians and cyclists meets their needs and provides safety. This includes protected bicycle lanes, wider sidewalks, abundant benches, appropriate bike racks, and more. I believe these efforts align with the city's goals of making Wauwatosa a community where bicycling and walking are integral to the quality of life and economic development. By engaging the public and equipping them with the necessary resources, we can promote walking, biking, and bussing as viable transportation options. Additionally, it is crucial that the city continues to design and develop infrastructure that supports these modes of transportation. Thank you for considering my application. I look forward to the opportunity to work with the members of this committee to make Wauwatosa a healthier, safer, and more livable city. Sincerely, William Steinke

Demographics

Some boards, committees and commissions require membership to be racially, politically or geographically proportionate to the general public. The following information helps track our recruitment and diversity efforts.

Ethnicity *



[REDACTED]

Gender *



[REDACTED]

Sexual Orientation *



[REDACTED]

[REDACTED]

Date of Birth

Once you submit your application, check [here](#) for the Common Council agenda that has your appointment or reappointment. It may be possible that it will be on future agendas and not on the next upcoming meeting date agenda. This will be how you know if you have been appointed or reappointed.

William Steinke

SUMMARY

Motivated and insatiably curious data professional working to continually develop data science skills. Became involved in Strong Towns and Municipal finance analysis after living in Copenhagen for work. Proficient skills include R programming, data visualization, dashboards, and stakeholder management. Effective contributor in collaborative team dynamic, and strong communication skills. Firm believer that insightful data analysis combined with meaningful communication can lead to profound change.

PROFESSIONAL EXPERIENCE

Novonesis (f.k.a. Chr.Hansen) · Milwaukee, WI

Leading global bioscience company that develops natural ingredient solutions for the food, nutritional, pharmaceutical and agricultural industries.

Senior Data Analyst, Food & Beverage Biosolutions - Digital Transformation · Apr. 2021 - Present

Primary owner and developer of customer oriented analytic tools that support the company's digital strategy.

- Built data pipeline in Knime to process customer data and format an analytical data model for automated data visualization for daily customer use.
- Engineered data from laboratory testing database to build analytical data model to present risks and trends to customers
- Lead multi-day technical training session and wrote technical manual for global team of stakeholders on internal analytical software
- Built software that fit Gompertz model to bacterial growth curves to extract key feature points using R and Shiny to automate workflow
- Assisted in development of new algorithm for bacteriophage risk assessment analysis along side other scientists by building novel scoring functions, multi-strain bacterial statistical models, and shiny applications
- Worked with sales, scientists, and directly with customers on scoping and gathering requirements for digital analytic dashboard projects
- Automated common analysis of coagulation data by interviewing stakeholders, building data pipeline and data model with external resource, and creating Power BI dashboards and R data visualizations
- Updated internal laboratory dashboard to ensure global alignment in testing method, using Power BI with R integrated visuals using star-scheme analytical model
- Assisted creating new phage testing software to ensure legacy software support by acting as technical representative and conducting tests and validations of software deliverables

Phage Laboratory Technician III · Dec. 2017 - Mar. 2021

Conducted standardized testing of customer samples detecting phage levels.

- Developed dashboard to show +1,000 customers their aggregated phage results using Power BI
- Created internal phage results dashboard used by multiple departments for scientific and business decisions

TECHNICAL SKILLS

Statistical Machine Learning · R · Python · \LaTeX · TensorFlow · Agile · SQL · Linear Regression · Shiny · Power BI · Tidyverse · Computational Probability · QGIS

BOARD MEMBERSHIPS, PROFESSIONAL AND CIVIC AFFILIATIONS

Congress for New Urbanism - Wisconsin · Board of Directors, Clerk · 2024 - Present

Strong Towns - Metro MKE · Local Conversation Leader · 2022 - Present

EDUCATION

Marquette University & Medical College of Wisconsin · Milwaukee, WI · Master of Science

Bioinformatics · May 2023

Masters Practicum Research Intern · May. 2022 - Sep. 2022

Worked under advisorship of Dr. Kathleen Schmainda and Dr. Jay Urbain at the Medical College of Wisconsin to determine feasibility of using patient neurological exam records and associated MRI scans to create CLIP-like image-to-text model.

- Design of image-to-text Deep Learning model based off CLIP model, written in TensorFlow
- Knowledge of CNN and NLP attention models

University of Wisconsin - Stevens Point · Stevens Point, WI · Bachelor of Science Biochemistry · May 2017