

GLEN SVENNINGSSEN

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SUMMARY

PhD in Chemical Engineering from University of California, Riverside and a certificate in FinTech from Northwestern University. Proven team-work and leadership from 2+ years managing research lab designs and developing risk management solutions to support the reporting needs of the McCormick School of Engineering. Well versed in technical research, problem solving, data modeling, and developing technical designs to collaborate with large team-based projects.

TECHNICAL SKILLS

Languages: Python, SQL, HTML, Matlab, AspenPlus

Tools: Excel, Seaborn, Pandas, Jupyter Notebook, Numpy, PostgreSQL, Databasing, Matplotlib, Scikit-Learn,

Applications: GitHub, MySQL, AWS, Command Line, GIT, CoLab, WordPress

Certificates: HAZWOPER 40 hrs, Chemical FE

EXPERIENCE

Safety Engineer

2018 – Present

Northwestern University

Evanston, IL

Key Accomplishments:

- Provided 150+ data-driven risk assessments for improving lab design & processes.
- Mitigated risk of 100+ research labs via timely analysis of system designs.
- Assisted project managers in the design of 50+ labs in technical writing and grant proposals.
- Acted as an EHS subject matter expert for 80+ professors and 1000+ researchers.
- Published work in ACS Chemical, Health, and Safety to promote a strong lab safety culture

PhD Chemical Engineer Graduate

Researcher

2013 – 2018

University of CA, Riverside

Riverside, CA

Key Accomplishments:

- Optimized bio-fuel production yields from sugar via low-cost techno-economic analysis and published work in ACS journal and thesis
- Instructed 400+ students in 5 advance chemical engineering courses.
- Performed techno-economic analysis via Aspen Plus to pin-pin-point and reduce manufacturing costs, lowering the minimum selling price of high-octane furans by 45% compared to previous reports.

EDUCATION

FinTech Bootcamp Certificate

2021

Northwestern University

Evanston, IL

- A 24-week intensive program focused on gaining technical programming skills in VBA, Python, SQL, Big Data, Ethereum, Blockchain, and Machine Learning.

PhD in Chemical & Environmental Engineering
University of California, Riverside

2018
Riverside, CA

Masters in Chemistry & Biochemistry
Northern Illinois University

2013
Dekalb, IL

BS in Materials Science Engineering
University of Illinois Champaign-Urbana

2010
Urbana, IL