

ISABELLA AUREGUY

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I am a Process Engineer based in San Diego with experience in the food and beverage industry, including projects in ice cream, yogurt production, and vertical farming. I'm seeking a career shift that allows me to merge my engineering background with my passion for sustainability, environmental, or social impact. I am open to roles based in California, remote, or internationally, where I can contribute to building a more sustainable and regenerative future.

Education

University of California San Diego

Sep 2019 – June 2023

Bachelor of Science in Chemical Engineering, Minor in Environmental Studies.

San Diego, California

Experience

Dennis Group

Oct 2023 – Present

Process Engineer

San Diego, CA

- Supported and led multidisciplinary project delivery for food manufacturing facilities, managing documentation, technical drawings, equipment specifying and procurement, and cross-functional coordination on projects up to \$14M.
- Designed utility systems (compressed air, steam, water, sanitizer) and created P&IDs and utility piping drawings on AutoCAD for three ice cream production lines, contributing to efficient and hygienic operations.
- Authored technical scopes of work and construction contracts, as well as vetted contractors and managed the bid process of three projects, showcasing strong communication and analytical skills.
- Collaborated with clients, contractors, and internal teams to align on project goals, timelines, and technical solutions—strengthening stakeholder relationships and project cohesion.
- Provided on-site support during plant shutdowns, construction phases, start-up and commissioning, to trouble shoot, I/O check, and resolve field challenges.
- Gained exposure to regulatory compliance and food safety standards, with certifications in OSHA, Preventive Controls (FSPCA), and Vulnerability Assessment for Human Foods.

Hillhurst Biopharmaceuticals

Oct 2022 – June 2023

Drug Manufacturing Intern

San Diego, CA

- Performed complex drug manufacturing procedures for method evaluation testing and sample production of sickle cell treatment.
- Collaborated with the lead process engineer, contributing to the development of production methods, and directly interfaced with the CEO, effectively communicating findings and insights.
- Meticulously collected, analyzed, and reported experimental data in Microsoft Excel to support process improvement.

ECT2

June 2022 – September 2022

Process Design Engineer Intern

San Diego, CA

- Leveraged AutoCAD, Plant 3D, and Bluebeam to annotate and modify P&IDs for large-scale PFAS filtration plants.
- Collaborated with a team of engineers to compile comprehensive equipment lists for three projects.
- Edited and provided feedback on flowcharts, PFDs, and training materials for operating a PFAS-filtering plant.
- Became familiar with water treatment methods like ultra-filtration, reverse osmosis, ion exchange, and liquid granular activated carbon.

Chomp

May 2021 – June 2022

Lead Bioenergy System Operator

San Diego, CA

- Managed the operator log and used the data to write a report presenting the trends regarding the inputs and outputs from the first six-month period after installing an anaerobic digester in a university campus.
- Coordinated with cross-functional teams to establish efficient food waste collection and distribution systems, highlighting effective communication and teamwork, and optimizing the whole process.
- Demonstrated the ability to troubleshoot and resolve mechanical issues in the anaerobic digestion process, effectively communicating with manufacturers and engineers to ensure optimal system performance and learning from challenges to ensure the avoidance of recurrent problems.

Skills

Hard Skills: Microsoft Office (Excel, Word, Power Point, Visio), AutoCAD, Plant 3D, technical writing, Bluebeam, and Aspen Plus.

Soft Skills: English, Spanish, French, public speaking, teamwork and leadership.