

# 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 impact, and holistic wellness. 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

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

**Sep 2019 – June 2023**

*San Diego, California*

## Experience

### Dennis Group

*Process Engineer*

**Oct 2023 – Present**

*San Diego, CA*

- Supported 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) P&IDs and utility piping drawings made 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 evaluated bids 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, start-ups, and construction phases, facilitating smooth project execution and resolution of 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 to assemble pressure vessels 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 the digester.
- 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 & Certifications

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

**Soft Skills:** English, Spanish (fluent), French (intermediate), public speaking, teamwork and leadership.