Joanna Gilbert

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SKILLS

- **Programming:** React, Redux, Javascript, Python, Sequelize, Express JS, Flask, SQlAlchemy, HTML, CSS, SQL
- **Design:** AutoCAD, Solidwroks, ForteWEB, ENERCALC
- **Engineering:** Field surveying experience
- **Languages:** Dutch

PROJECTS

Audio Stratus   (Javascript, ReactJS)   live | github
A Soundcloud clone made with a Sequelize and Express JS backend and React/Redux frontend.
- Core features: Songs and Comments - users can create, read, update, delete
- Additional Features: Likes, Number of Plays, Audio Visualizer, and Popular Songs (determined by number of plays)

Disco-ord   (Python, ReactJS)   live | github
A Discord clone, made with a Flask and SQLAlchemy backend and a ReactJS/Redux frontend.
- Core features: Servers, Channels, Channel Messages, and Private Messages - users can create, read, update, delete
- Additional Features: Server Members - server admin can add/remove members

LocalXP   (Python, ReactJS)   live | github
An Airbnb clone made with a Flask and SQLAlchemy backend and React/Redux frontend.
- Core features: Experiences and Bookings - users can create, read, update, delete
- Additional Features: Time Slots and Images - users can create, read, delete

EXPERIENCE

Structural Engineer I   Aug 2021 - Jun 2022
Structural Engineering Intern   Feb 2019 - Dec 2019

Graf Engineering
- Designed foundations from LRFD load combinations
- Calculated design loads for foundations and floor framing using ENERCALC and ForteWEB
- Performed site inspections for footings, wall steel, shear walls, and level surveys
- Communicated with construction crews about requirements for footings and wall steel
- Engineered lot specific layouts for residential projects
- Updated construction plans to reflect architectural revisions and ASCE 7-10 code updates
- Drafted backgrounds for residential plans from architectural drawings

Respite Caregiver
Self-Employed, Child and Youth Mental Health Treatment   Oct 2018 - Mar 2021
- Provide specialized care to children with mental illnesses
- Develop treatment plan with a licensed behavioral therapist
- Utilize treatment plan to teach special needs children social responsibility
- Facilitate a safe physical and emotional environment for each child

EDUCATION

Fullstack Software Engineering Program - *App Academy | December 16th, 2022*
Bachelor of Science in Civil Engineering - *Colorado School of Mines | December 13th, 2019*