

Grey Liedtke

San Francisco, CA | grey.liedtke@gmail.com

Mechanical Engineering, B.S. — California Polytechnic State University, San Luis Obispo, 2019

Skills

- **Embedded & control:** PLC, Microcontrollers, closed-loop control, sensor integration
- **Power & electromechanical:** power electronics, turbomachinery, debugging, PCB
- **Mechanical:** CAD, prototyping, manufacturing, fluid and pneumatic systems

Experience

Senior Systems Engineer

Scaled Power Inc. — San Francisco, CA : Feb 2021 – Present

- Developed integration and control software for a turbogenerator/microgrid package spanning power electronics, embedded firmware, hardware-in-the-loop simulation and functional operation
- Built the program's test and observability infrastructure — hundreds of sensors, automated test sequencing, and high-speed acquisition and monitoring
- Took subsystems from bench prototype to field-deployed hardware in fast-paced R&D environment

Programming Engineer

Automated Solutions Group — San Jose, CA : Aug 2019 – Feb 2021

- Programmed and commissioned networked building automation systems across 20+ commercial sites
- Developed control sequences that reduced HVAC energy usage and enabled autonomous operation
- Hands-on commissioning, operation, project management and technician oversight

Internships:

- Medtronic: manufacturing process optimization
- Powder Process Solutions: industrial bulk powder systems
- Test Resources: mechanical test machine assembly and calibration

Projects

- **Python Libraries** - Network based tools to facilitate edge computing [DocNet](#), [Fleet-SSH](#)
- **WikiDoc** — Personal development website hosted on a PI. Documentation, data, and games.