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Kristin Gaito, PE

SUMMARY

Licensed professional electrical engineer with over six years of experience in the consulting engineering field. Certificate from coding bootcamp. Applies engineering and coding skills as software engineer to develop full stack web applications.

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript
Applications: Node.js, Express.js, MySQL & Sequelize, MongoDB & Mongoose

EXPERIENCE

Clark, Richardson, and Biskup Consulting Engineers, Inc. (CRB) - *Electrical Engineer*

JUNE 2015 - PRESENT (KANSAS CITY, MO)

Global architecture, engineering, and construction firm specializing in design services for the pharmaceutical and biotechnology fields.

Designed power distribution systems for pharmaceutical manufacturing facilities.

- Coordinated with engineering and construction teams to produce electrical construction documents
- Produced technical reports, drawings, and specifications to communicate scope of work
- Performed engineering calculations to determine building electrical capacity and demand load
- Managed internal electrical engineering team to complete project design tasks within schedule
- Researched building codes and standards to design electrical systems to meet requirements
- Performed peer reviews using quality procedures on electrical drawings and specifications

Sample project experience: Lead electrical engineer for three-level, 299,000 square-foot manufacturing expansion for pharmaceutical tablets, powders, and liquids - Minneapolis, MN

- Coordinated with client engineering team for building and equipment power to support process
- Designed electrical systems to meet code requirements for hazardous area classifications
- Supported project through construction: reviewed equipment submittals, answered Request for Information (RFIs), and provided support for design changes and coordination meetings

Sample project experience: Lead electrical engineer for three-level, 69,000 square-foot manufacturing expansion for an animal health facility producing regulated monoclonal antibody products - Lincoln, NE

- Designed medium-voltage loop feed to serve new electrical service providing power to expansion
- Supervised electrical engineering team completing project tasks for lighting and power circuiting

- Traveled to site to meet with client and contractors to review electrical construction documents

Alvine Engineering - *Electrical Engineering Intern*

MAY - AUG 2013, MAY - AUG 2014 (OKLAHOMA CITY, OK)

Mechanical, electrical, and plumbing engineering firm specializing in design services for commercial facilities such as healthcare, hospitality, and public schools.

- Performed lighting calculations using lighting calculation (Visual and AGi32) software to design system to target foot-candle levels and to meet power density requirements
- Performed short-circuit analysis using power tools software (EasyPower and SKM) modeling electrical one-line diagrams to determine available fault current

PROJECTS

Trippin Worldwide | <https://github.com/kngurley25/trippin-worldwide>

A travel blog in which a user can journalize their travel experience: upload trip photo, document trip notes and travel dates, share specific activities and cuisine

- Created RESTful API with Node.js and Express.js,
- Applied model-view-controller architecture with MySQL and Sequelize ORM database
- Utilized Handlebars.js templating engine, CSS, and bootstrap CSS framework
- Worked in a team of five contributors

Welcome to Mars | <https://github.com/kngurley25/astronomy-project>

A fun, user friendly webpage that displays technical data from NASA open source APIs.

- Utilized client side technologies and frameworks: HTML, CSS, Bulma CSS framework, JavaScript
- Created API calls to display information provided by NASA Open Innovation team
- Worked in a team of three contributors

EDUCATION

University of Kansas - *KU Coding Bootcamp Certificate of Completion*

SEPTEMBER 2021 - MARCH 2022 (LAWRENCE, KS)

Six month course designed to teach students the skills for full stack web development

- Developed front-end applications using HTML, CSS, and JavaScript
- Created back-end server using Express.js
- Experience with Node.js, MySQL
- Applied programmatic principles such as object-oriented programming, test-driven development, and agile development to projects and course work
- Experience with Git version control software and issue tracking

Kansas State University - *Bachelors of Science in Architectural Engineering*

AUGUST 2010 - MAY 2015 (MANHATTAN, KS)