

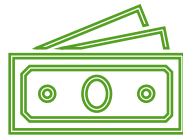


# ▶ MY FUTURE JOB

Jillian Michel

# Self-Assessment

## Personal Values



## Employer Values



# Self-Assessment

## Skills

## Strengths

Teamwork

Self-Regulation

Listening

Curiosity

Communication

Kindness

Mathematics

Love of Learning

Problem Solving

Leadership

# Self-Assessment

## Interests

Building Mechanisms

Circuits

Doing Calculations

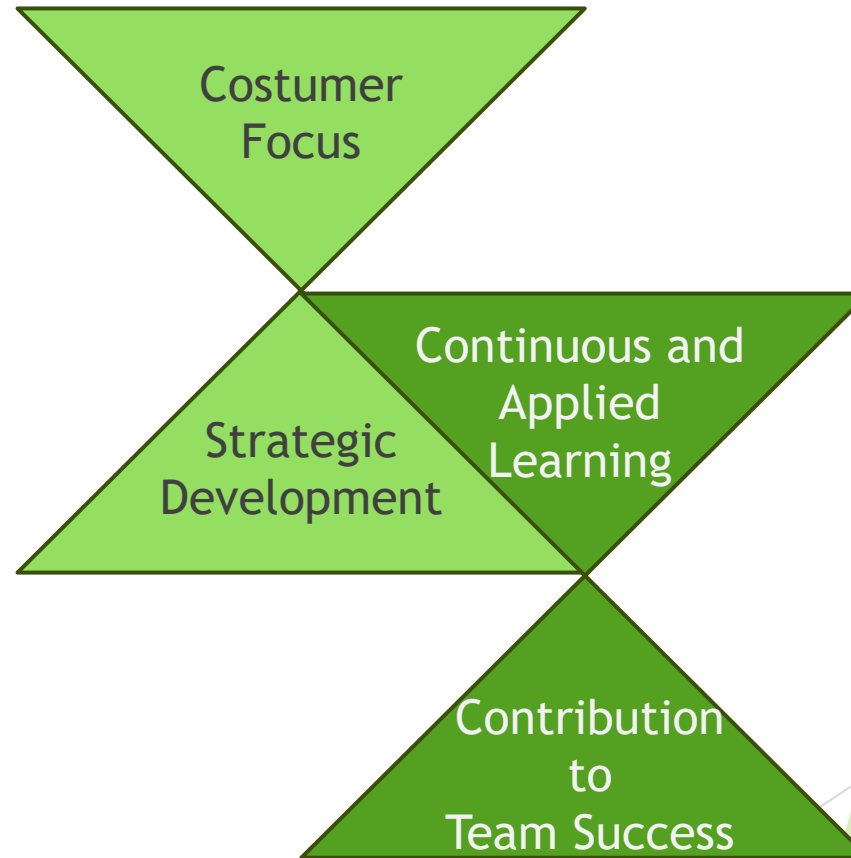
## Career Goals ● ● ●

- ▶ Graduate college in 4 years with a Double Major
- ▶ Be promoted at least one level after 5 years

# BETA

## ➤ Mission and Values

“At Beta, we believe in cultivating a **Team** that wins together and takes on the most challenging projects in the high -voltage industry. We **Empower** our employees to identify innovative solutions and opportunities for future **Growth**. Recognizing that our success begins with our people, we invest in our teams through technical, team building and leadership training.”



# Substation Engineer

## Job description

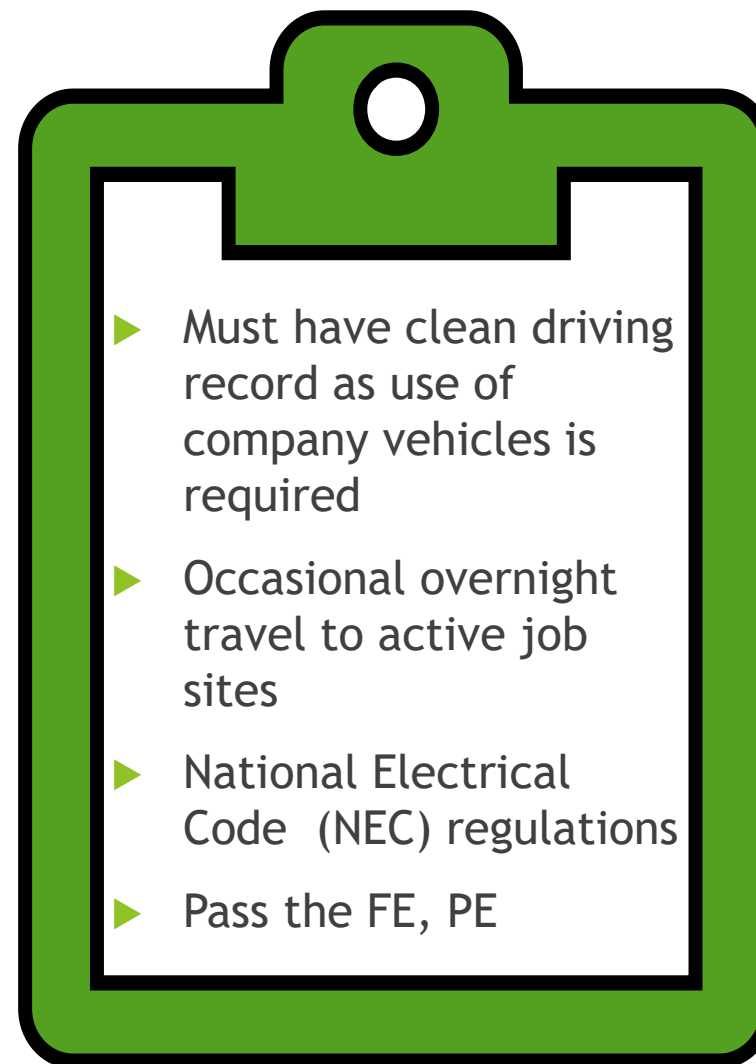
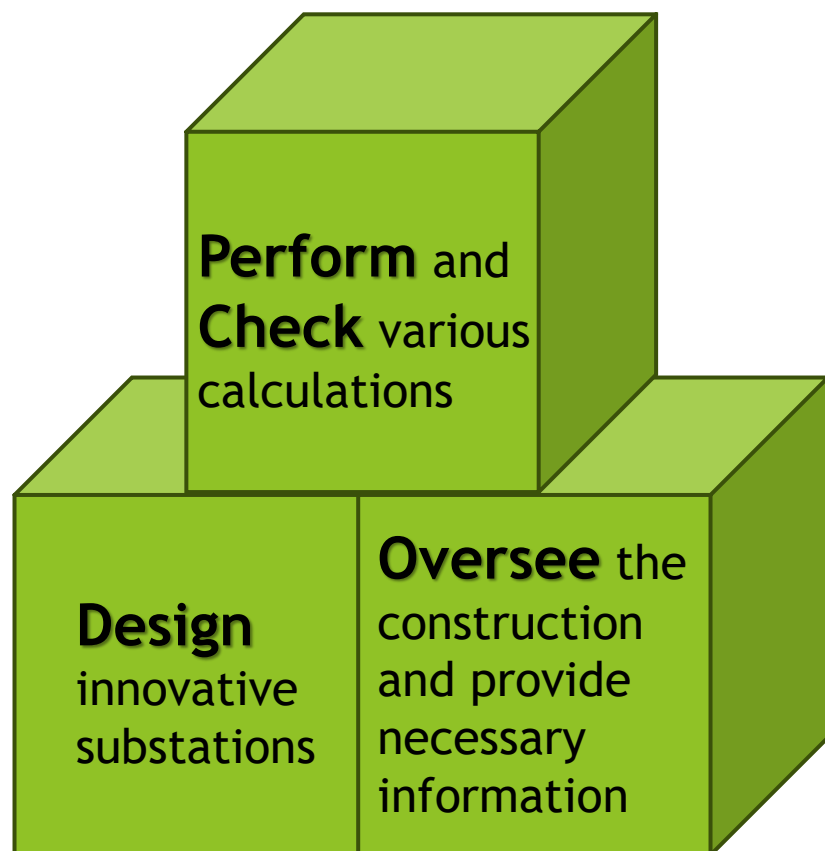
- ▶ \$68,649 - \$130,614 per year (potential for beyond scale)
- ▶ Responsible for the design, interpretation, application and documentation of drawings and calculations pertaining to the physical design of a substation.
- ▶ Tasked with ensuring that designs, and their applications, are completed to code and standards set forth by the appropriate authoritative bodies.
- ▶ Required to work with customer representatives, Project Management Teams and other engineering disciplines to ensure designs meet appropriate specifications and requirements.

## Skills required

- ▶ At least a Bachelor degree in EE, ME, or CE
- ▶ 5 plus years of experience in the physical design of high voltage substations
- ▶ PE license
- ▶ Preferred knowledge of various software's (AutoCAD, CDEGS, and many more)

# Work

## ➤ Objectives & Regulations



## JILLIAN MICHEL

Lafayette, Louisiana 70504  
(504)-314-6725

### EDUCATION

**University of Louisiana at Lafayette** **May 20:**  
Bachelor of Science in Electrical Engineering, Power and Sustainable Energy Concentration GPA: 3.8/4  
• Relevant Courses: Computer Engineering, Calculus II, Introduction to Computer Science

**University of Louisiana at Lafayette** **May 20:**  
Bachelor of Science in Mathematics GPA: 3.8/4  
• Relevant Courses: Calculus II

### EXPERIENCE

**Tigerbot Robotics** **July 2021 – March 20:**  
*Hahnville Highschool | Boutte, Louisiana*  
• Collaborated with students in the club and other schools during competition  
• Coordinated the circuitry of the entire robot  
• Trained various freshman on components of the circuitry like the power distribution  
• Developed ideas and executed the production for that year's robot  
• Worked as a team to design a fully functional robot that would effectively complete the tasks at hand like placing a cube onto a shelf or a cone onto a pole

**Lifeguard & Swim Instructor** **Summers 2021 - 20:**  
*Mimosa Swim and Racquet Club | Luling, Louisiana*  
• Responded to emergencies in a time efficient manner  
• Worked as a team with other guards and employees  
• Greeted and supervised over 60 individuals a day  
• Taught children aged 1-13 how to swim effectively  
• Maintained a clean and fully functional facility

### ACTIVITIES

**Institute of Electrical and Electronics Engineers** | *Member* **September 2024 - Prese**  
**Cajun Advanced Picosatellite Experiment** | *Member* **October 2024 - Prese**  
**First Robotics** | *Member* **August 2021 - Prese**

### SKILLS

Microsoft Word, Excel, PowerPoint, Basic Python Programming, CPR, First Aid

## JILLIAN MICHEL

Lafayette, Louisiana  
504-314-6725  
Jillianmichel640@yahoo.com

Dear Hiring Manager,

I am excited to present this application for the role of Substation Engineer at Beta. I believe the combination of my education, skills and experiences as an Electrical Engineer can be a significant benefit to the organization and make me an excellent fit for this role. I am excited about the opportunity to contribute to your team, particularly in an environment that values relationships, success and continuous learning.

In my previous role as Lead Electrician in the Hahnville Tigerbots, I developed strong leadership skills while managing electrical installations. My hands-on experience, combined with my background in robotics, has equipped me with a solid foundation in both practical and theoretical aspects of electrical systems. Additionally, my knowledge in math and Python Programming allows me to approach complex engineering challenges with a problem-solving mindset.

I am particularly drawn to Beta because of its commitment to fostering a family-oriented culture and promoting ongoing professional development. I believe that a supportive environment enhances both personal and team success, and I am eager to be part of a company that shares this vision.

Thank you for your time and consideration of my application materials. I would be delighted to schedule an interview with you soon.

Sincerely,  
Jillian Michel



# Interview material

## Questions

- ▶ How did you become interested in electrical engineering?
- ▶ What's your method for ensuring compliance with the National Electrical Code in your designs?
- ▶ Describe your process for selecting the appropriate wire gauge for a given electrical load?

## Answers

- ▶ Highschool Robotics
- ▶ Review NEC for any revisions, Cross referencing components with NEC requirements, peer review
- ▶ Determine max current, operating voltage, and environmental conditions

# Evaluation

- ▶ This presentation allowed me to go looking for a real job I could one day apply for. When looking for a job I was able to introduce myself to this process so that when the time comes for real, I know exactly how to find what I want easier. The biggest challenge I came across was finding a company I liked that had an actual posting for a job. Finding the company values were easy and if they didn't have them, I immediately discarded the job. I like that we were given all semester to do it with progress checks along the way. It forced me to do little bits of it throughout the semester instead of waiting until the end. Overall I think this is a good project for this class. It uses everything we learn throughout the semester and teaches you how to properly find a job and a company you want to work for. When I was searching for jobs, I found companies I never even knew existed before. I don't think I would change anything about this project for future years.

“Engineers turn Dreams into Reality”

~Hayao

Miyazaki

