

# Annalisa Ochner

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## EDUCATION

Kansas State University (KSU) - Manhattan, KS

**Bachelor of Science in Electrical Engineering**

- Analytic Geometry and Calculus III
- Engineering Physics II
- Circuit Theory I
- Engineering Physics I
- C Programming for Engineers
- Analytic Geometry and Calculus II
- New Student Design Project
- Introduction to Electrical Engineering
- Analytic Geometry and Calculus I

**Graduation (Expected) – December 2025**

**GPA - 3.53/4.00**

## TECHNICAL SKILLS

- KiCad / PSpice (PCB Design)
- Soldering
- C / HTML / CSS / JavaScript / Java
- Visual Studio Code
- 3d printing (basic CAD knowledge)
- Microsoft Office Suite: Word, Excel, PowerPoint, & Outlook
- Google Docs, Sheets, & Slides
- Adobe Lightroom

## EXTRACURRICULAR ACTIVITIES

**K-State Solar Club** *Vice President; Member, Electrical Team; Webmaster*, Kansas State University

**Fall 2022-Present**

- Designed and coded a responsive website for the club using HTML, CSS, and JavaScript
- Collaborated with my team to design and develop a solar-powered car with panels that autonomously tracked the strongest light source in order to optimize power delivery
- Assisted in populating boards, soldering components, and assembling parts of the solar car
- Helped to design, organize, and setup displays for K-State's Engineering Open House 2023

**Wildcat Wind Power** *Member, Electrical Team*, Kansas State University

**Fall 2022-Present**

- Gained hands-on experience in electronic design, including PCB design with KiCad and SMD soldering

**K-State Prosthetics Design Team** *Member, Electrical Team*, Kansas State University

**Fall 2022-Present**

- Worked on a team to improve the power delivery in a 3D-printed prosthetic hand
- Utilized KiCad for optimized PCB design referencing previous breadboard prototypes my team and I designed
- Soldered various components and aided in assembly of electrical components of the prosthetic hand

**Society of Women Engineers** *Member*, Kansas State University

**Fall 2022-Present**

- Volunteered for Women in Engineering (WiE) program to speak to highschoolers and provide information about prospective academic paths in electrical/computer engineering
- Assisted and demonstrated hands-on activities, including creating a hydrophobic surface and a hydrogel sensor that functioned as a simple linear actuator

## PROJECTS

**The Avenue** (*Photography Portfolio Website*)

**January 2023**

- Designed the user interface and layout for a responsive photography portfolio website
- Programmed the website using HTML, CSS, and JavaScript
- Hosted the website on Github for online access and presentation

## EXPERIENCE

**Kramer Dining Center** *Checker/Food Server*, Kansas State University

**Fall 2022-Present**

- Assisted in the preparation, handling, and serving of food in a team-based environment
- Checked ID cards and provided excellent customer service to staff and students

**Stars and Stripes Japan** *Paperboy*, Camp Zama, Japan

**Fall 2021-Summer 2022**

- Demonstrated punctuality and attention to instructions in packaging and delivering papers
- Interacted with customers in a friendly and professional manner

## HONORS & AWARDS

**Outstanding Freshman in Electrical Engineering** (Kansas State University)

**Spring 2023**