**William Zhu**  
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**OBJECTIVE**

To secure an internship that provides hands-on experience, offering opportunities to apply and expand my knowledge in ways not achievable in the classroom or online, therefore, further enhancing my education and professional growth.

**EDUCATION**

**University of South Florida Tampa, FL**

BS in Chemical Engineering (GPA: 3.44) Expected May 2026

**SKILLS**

**Programs/Languages:** MATLAB, Simulink, Aspen, Excel, Word, PowerPoint, Microsoft Office, HTML, CSS

**Skills:** Data Visualization, Data Analysis, Data Management, Customer Service, Mandarin Translation

**PROJECTS**

**ECH 5931: Solar Energy System Design Project –** *Word, Excel, Data Management* **2024**

* Using Knowledge gained in the class to design a functional solar energy system design of a house with included heated flooring.
* Compiled information like sun angle calculations, energy generated and yearly energy load to design and later find a residential solar panel.
* Analyze all financial data to find the payback period of the purchased solar panels, while accounting for the energy tariff and slow degradation in energy returns on solar panels.

**ECH 4323: Foundations of Engineering Robot –** *MATLAB, Simulink, PowerPoint* **2024**

* Collaborated in a 3-person team to design, test and implement a multiloop control strategy on a Naphtha Cracker.
* Using my leadership skills, I spread work out to a manageable degree to everyone, with account to the 2 hurricanes that halted progress on the project and classes.
* Utilized Simulink with a provided model of a Naphtha Cracker to test many control strategies to find the best in terms of safety and profits.

**ECH 4846: Numerical Methods Process Project –** *Aspen, Excel, PowerPoint, OBS Studio* **2024**

* Utilized Aspen to conduct an in-depth industry-level analysis of Zinc Chloride production, compiling data and expenses in Excel to support comprehensive cost analysis.
* Compiled critical information into a PowerPoint presentation, leveraging Microsoft Teams and OBS Studio to deliver a detailed explanation of cost analysis findings.

**Simple Septic Tank Usable for 3 Months 2023**

* Using some knowledge gained from engineering classes, along with real world experience, designed a Simple septic for 2 people that is usable for 3 months at minimum.

**Portfolio Website –** *HTML, CSS* **2024**

* Constructed a portfolio website using HTML and CSS to serve as a central hub for completed projects, contact information, and a personal overview.

**EXPERIENCE**

**Chinese Acupuncture and Herbal Medicine – Front Desk Receptionist September 2023 – Present**

* Utilized Excel to compile and organize essential data for business operations, increasing efficiency through effective data management.
* Managed customer relationships and scheduling through internal software (United Practice).
* Maintained and updated customer records, ensuring accurate and up-to-date client information.