

## Zoe Sano

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### EXPERIENCE

#### **HOLLAND & HART LLP**

##### ***Patent Engineer***

Boulder, CO

January 2022 - May 2023

- Drafted patent applications for engineering inventions across wireless communications, hardware, data & cloud storage, Internet of Things, and medical devices, collaborating with inventors and legal teams to expand the firm's patent portfolio.
- Prepared clear, well-reasoned responses to Office Actions, successfully addressing examiner concerns with technical accuracy and legal compliance, leading to patent approvals.
- Participated in invention disclosure meetings with inventors, identifying patentable innovations and streamlining the patent filing process, reducing time to filing.

#### **EPIROC**

##### ***Automation Engineering Intern***

Garland, TX

June 2021 - August 2021

- Designed and developed a device simulating real-life scenarios for automated, surface drill rigs, enhancing fleet performance and operator safety.
- Successfully integrated a single-board computer running Linux with a microcontroller, programming it using Python, C, and C++, and combined it with electrical components such as low-pass filters and voltage converters to ensure seamless operation.
- Worked with a cross-functional engineering team to troubleshoot design issues, minimizing testing time and enhancing the device's reliability.
- Developed a remote solution for reading from and writing to analog sensors, enabling safe testing for surface drill rigs.
- Presented the device to supervisors, demonstrating its effectiveness and proposing future improvements.

#### **NETENTERPRISE**

##### ***Information Technology (IT) Intern***

Honolulu, HI

June 2019 - July 2019

- Established network infrastructure for offices and businesses, improving connectivity and operational efficiency through CAT5 wiring and Wi-Fi installations.
- Provided customer service by resolving technical issues and performing repairs, reducing client downtime and improving satisfaction.
- Installed and configured office equipment for businesses, optimizing system performance through timely and effective solutions.
- Collaborated with IT specialists to design and implement network solutions, reducing deployment times for office setups.

### EDUCATION

#### **COLORADO SCHOOL OF MINES**

Golden, CO

##### ***Bachelor of Science in Electrical Engineering, with a focus on Antennas & Wireless Communications***

2017 - 2021

- *Awards:* 3.65 GPA, Cum Laude, Dean's List, Honor Roll
- *Societies:* Institute of Electrical and Electronics Engineers (IEEE), Society of Asian Engineers (SASE)
- *Athletics:* Captain, Mines Varsity Women's Soccer Team (NCAA DII), 2x Honorable Mention All-RMAC
- *Job Positions:* Teaching Assistant (Electromagnetics, EENG 386), Admissions Undergraduate Application Clerk, Student Ambassador, Front Desk Assistant at Starzer Welcome Center

### SKILLS AND PERSONAL

- Active AWS Certified Cloud Practitioner, AWS Cloud Solutions Architect Specialization Certificate via Coursera
- Google UX Design Specialization Certificate
- Meta Frontend Developer Specialization Certificate
  - *Languages, Tools, & Frameworks:* HTML, CSS, JavaScript, TypeScript, React
- Meta Backend Developer Specialization Certificate
  - *Languages, Tools, & Frameworks:* Python, Django, SQL Databases, APIs, GitHub
- Keysight ADS Radio Frequency and Microwave engineering (RF/MW) Industry Ready Certified Student
- HAM Radio License Technician (Call Sign: WH6GNN)
- Member of the Japanese American Citizens League (JACL), Kakehashi Project Participant 2024