

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, IoT devices, and wearable technology, collaborating with inventors and legal teams.
- 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 testing 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 and improve the graphical user interface, reducing testing time and enhancing 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
- 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 Scientists & Engineers (SASE)
- *Athletics:* Captain, Mines Varsity Women's Soccer Team (NCAA DII), 2x Honorable Mention All-RMAC
- *Job History:* Teaching Assistant (Electromagnetics, EENG 386), Mines Student Ambassador, Admissions Undergraduate Application Clerk, Front Desk Assistant at Starzer Welcome Center
- *Projects:* UV Light Disinfection Project for Senior Design, Low Noise Amplifier Design Project for Active RF & Microwaves Course, Coupled Line Coupler Project for Passive RF & Microwaves Course, SDR Flight Tracker for ISS-II Course, Magnetic Fields from Power Lines and Possible Interference with Pacemakers via Matlab Analysis for Electromagnetics Course, Monopole & Dipole Antenna Design with Anechoic Chamber Testing for AWC Field Session

SKILLS AND PERSONAL

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