

KALSCOTT

ENGINEERING

June 17, 2024

Raunaq Ray

Tacoma, WA

SUBJECT: Internship Offer Letter

Dear Raunaq,

We are pleased to offer you the position of **Summer Intern** at KalScott Engineering Inc., starting on **June 24, 2024**, and ending on **September 24, 2024**. This internship is in collaboration with the ongoing research we are sponsoring at the *University of Washington Tacoma*, and you will be working closely with Professor Debasis Dawn on this project. Following are the terms and conditions with your internship:

Position Details:

- **Position Title:** Summer Intern
- **Project Title:** Development of Signal Interface for Band-Switchable Transceiver IC
- **Supervisors:** Mr. Suman K Saripalli, Dr. Debasis Dawn

Compensation and Benefits:

- **Salary/Stipend:** \$33.00/hour
- **Work Hours:** 40 hours per week

Job Description:

In this role, you will engage in the innovative development of signal generation methods for a multi-band transceiver IC currently being developed at the University of Washington Tacoma. Your work will complement the ongoing university research, providing essential support and contributing to the overall project. This role will expose you to the real-world applications of RF IC design for wireless communications, enhancing your technical skills and understanding of advanced engineering concepts.

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E N G I N E E R I N G

Job Responsibilities:

- Develop methods for generating and testing ADS-B, 900MHz ISM, and RemoteID signals for a multi-band transceiver IC in development.
- Collaborate with the team to define signal specifications and requirements.
- Verify signal accuracy and authenticity for compliance with project standards.
- Configure test setups and conduct signal injections into the system under test.
- Analyze and evaluate system responses to the injected signals.
- Document procedures, observations, and findings in detailed reports.

Please confirm your acceptance of this offer by signing and returning a copy of this letter. Should you have any questions or require further information, please do not hesitate to contact me at 785-979-1116 or suman.saripalli@kalscott.com.

We look forward to having you on our team and contributing to the success of this exciting project.

Sincerely,



Suman K Saripalli

Vice President

785-979-1116