

Nels Martin

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EDUCATION

University of Washington

Seattle, WA

Bachelors of Science, ECE (junior)

Cumulative GPA: 3.7

- Relevant courses: Data Structs and Algos, Signals, Systems, and Data, Digital Circuits and Systems

WORK EXPERIENCE

nLIGHT

Camas, WA

Summer Intern

Aug 2021 - Sep 2021

- Constructed a Mach Zehnder Interferometer to be used for measuring Pockels cell phase delay in the development process of 3D LiDAR camera prototypes.

nLIGHT

Camas, WA

Electrical and Computer Engineering Intern

Jul 2023 - Sep 2023

- Built and tested four LiDAR camera prototypes. Connected the optical, mechanical, and electrical systems of the cameras. Programmed and calibrated cameras using LabVIEW, Python, and Linux.
- Grew company value by building prototypes of a novel technology that will be shown to investors.
- Increased department efficiency by improving the camera construction documentation.

Korry Electronics Co.

Everett, WA

Electrical Engineering Intern

Jun 2024 - Sep 2024

- Closed 105 electrical engineering problem reports by building test circuits, performing tolerance stackups, simulating circuits, and performing derating analyses.
- Utilized Simetrix, PADs, and Xpedition, and communicated with many departments (engineering, manufacturing, purchasing, etc.) to gather information to close out the problem reports.
- Improved company product quality, increased internal organization, and increased problem visibility through closing problem reports.

LEADERSHIP & INVOLVEMENTS

The Collective Improv Troupe

Seattle, WA

Performer

Oct 2022 - Present

- Communicated ideas and entertained while performing bi-weekly comedy improv shows to audiences of up to 150 people.

Sketch Show Director

Jan 2024 - Apr 2024

- Wrote, directed, and performed with others in an original sketch comedy show. Coordinated the writing of sketches, building of sets, and making of costumes, as well as the promotion of the show. Entertained hundreds of people and raised hundreds of dollars for the club.

SKILLS

Java, Python, C, C++, Linux, Simetrix, PADs, Xpedition, Labview, SQL, System Verilog, card magic, origami