

# NOAH NGUYEN

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## WORK EXPERIENCE

### Intel Corporation

Aloha, OR

Process Engineer Intern

Jun 2024 - Sep 2024

- Utilized Python, SQL, and Microsoft 365 to develop and implement data analysis and automation solutions, reducing supply costs and labor hours while enhancing process quality and efficiency.
- Compiled and analyzed data to generate comprehensive reports, providing critical insights that guided strategic decisions in upgraded tool qualification, enhancing product quality and process efficiency.
- Enhanced technical specification documents by integrating feedback from over 10 technicians and engineers, leading to a corporate-wide improvement in document accuracy and clarity, significantly reducing rework times.
- Streamlined workflow procedures within the lean manufacturing framework, facilitating the successful integration of new technologies that enhanced productivity across engineering teams.

### Leading Change - Africa

Madison, WI

Software Engineer Intern

Jun 2022 - Sep 2022

- Spearheaded the development and optimization of the organization's website using WordPress and PHP, significantly improving site usability and user engagement.
- Automated customer management workflows by integrating customized Salesforce plugins, boosting operational efficiency.
- Led UI/UX design enhancements by proposing and implementing user-centered improvements to increase accessibility and retention.
- Conducted beta tester interviews, performed competitive analysis, and evaluated new application ideas to drive strategic innovation for the non-profit's digital platform.

### University of Washington - Bothell

Bothell, WA

Student Assistant

Sep 2021 - Aug 2023

- Delivered front-line support at the Undergraduate Academic Services Office, resolving student inquiries across email, phone, and in-person channels to enhance service efficiency.
- Streamlined student records management, supported advisor preparation for applications and orientations, and optimized STEM course registration workflows.
- Designed and launched quarterly Capstone project websites using HTML, CSS, JavaScript, and PHP, improving visibility and accessibility of student work.
- Organized and coordinated Capstone presentations for over 100 students each quarter, ensuring smooth event logistics and showcasing student achievements.

Undergraduate Teaching Assistant

Oct 2022 - Mar 2023

- Led instructional support for Statistical Inference coursework, providing targeted guidance on assignments and concepts using R programming.
- Graded assignments, provided detailed feedback to students, and supported faculty in assessing student progress and understanding.
- Partnered with faculty to develop effective learning resources, boosting student engagement and mastery of statistical analysis techniques.

## RESEARCH EXPERIENCE

### Zhang Lab Group, University of Washington

Seattle, WA

Research Assistant

Aug 2023 - Dec 2024

- Conducted experiments to fabricate microbeads for biomedical applications, optimizing parameters such as pressure and dispense time to enhance production consistency.
- Analyzed fabrication process data to identify key factors influencing microbead uniformity, ensuring reliability for various biomedical applications.
- Trained new students on lab tools and techniques, ensuring proper usage and adherence to best practices in experimental procedures.

**Educating Young Eye (EYE) Research Group**

**Bothell, WA**

*Student Software Developer*

*Jan 2022 - Aug 2023*

- Refactored and developed software to implement comprehensive logging for audit controls, enhancing security and compliance using AWS and PHP.
- Produced detailed software engineering documentation to support product development and ensure maintainability.
- Collaborated closely with faculty advisors and fellow researchers to advance technologies for children's near-vision assessment and therapy.
- Applied skills in PHP, AWS, MySQL, and Unity to develop and optimize clinical research tools aimed at modernizing pediatric vision care technologies.

**LEADERSHIP EXPERIENCE**

**University of Washington GPSS**

**Seattle, WA**

*Vice President of Administration*

*Jun 2024 - Present*

- Championing the interests of over 17,000 graduate and professional students at local, state, and federal levels, shaping policies on higher education, housing affordability, and mental health resources.
- Securing transparency and effective stakeholder engagement by managing internal and external communications for the Graduate and Professional Student Senate (GPSS), ensuring timely updates and collaboration.
- Empowering and mentoring 100 graduate student leaders to represent their departments, achieving an 18% increase in student involvement from the previous year.
- Driving student civic engagement by spearheading voter outreach campaigns and backend support, successfully mobilizing 90 students to participate in tri-campus advocacy events and meet with state legislators to discuss student-focused policies.
- Monitoring and overseeing records and publications while officiating Parliamentary Procedure sessions, educating graduate students on legislative processes, and leading officers and staff to accomplish key objectives, drive advocacy initiatives, and maintain a collaborative workplace environment.

*Office Director*

*Sep 2023 - Jun 2024*

- Administered and facilitated operations among officers, staff members, and student senators to advocate for the graduate and professional student body.
- Resolved internal and external inquiries to maintain an effective, collaborative workplace environment.
- Founded a student group dedicated to enhancing the social life and community engagement of graduate students across campus.

**EDUCATION**

**University of Washington - Seattle**

**Seattle, WA**

*PhD, Materials Science & Engineering*

*Graduation Date: Jun 2029*

*MS, Materials Science & Engineering, Quantum Information & Engineering*

*Graduation Date: Jun 2025*

**University of Washington - Bothell**

**Bothell, WA**

*BS, Computer Science and Software Engineering*

*Graduation Date: Aug 2023*