

THUY-VY NGUYEN

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503.719.9430

EDUCATION

Oregon State University — Computer Science, Honors B.S

Expected Graduation: June 2021

- Focus in Human Computer Interaction with minors in Math and Psychology and a 3.94 GPA
- Involvement: IMPACT Lead Volunteer, Society of Women Engineers Ambassador, ProjectX Volunteer
- Courses: Cloud Development, Intro to Artificial Intelligence, Algorithms, Linear Algebra

EXPERIENCE

Oracle — Software Engineer Intern

June 2020 – September 2020

- Developed an application for Slack that allows users to receive notifications for changes in their automated deployment's status.
- Implemented a database schema in SQL and directed Oracle Cloud Infrastructure's internal deployment service to call Slack using Java and Slack's APIs.

Oregon State University College of Engineering — CS & Math Tutor

September 2019 – Current

- Assisted students to effectively plan, design, and debug their programming in classes such as Algorithms and Data Structures and develop their math proficiency in Linear Algebra, Calculus, and Discrete Math.
- Creates real-life examples and analogies tailored to each student to explain course content.

Oregon State University Honors College — Web Editor

October 2019 – June 2020

- Utilized Drupal, WordPress, HTML, and CSS to maintain the OSU Honors College website, blog, and databases that are used as primary resources for Honors College members.
- Designed and updated website to improve accessibility and user experience.

Appcessori Corporation — Intern

June 2019 - August 2019

- Re-factored front-end user interface to increase clarity and improve experience for users.
- Collected and organized data for headphone calibration team that was used to improve products.

RESEARCH

CARVE Lab — Psychology Research Assistant

January 2019 – Current

- Collected participant data on the impact of augmented reality on a user's learning ability.
- Designed study that aims to improve design of automated vehicles for pedestrian user experience.

Data Interaction and Visualization Lab — Project Assistant

June 2020 – Current

- Utilizes D3.js to create interactive data visualization tools for users to more easily explore, interpret, and interact with machine learning and large datasets. Projects include creating interactive confusion matrices and interactive visualizations so users can find discrepancies between their test and train data.

URSA Engage — Undergraduate Researcher

January 2019 – June 2019

- Modeled real-life terrain in virtual reality using Unreal Engine and analyzed potential effects of climate change by simulating environmental catastrophes.

SKILLS

- **Languages:** Python, C++, C, Java, Haskell, Bash, SQL, R, MATLAB, Vietnamese
- **Web Development:** HTML, CSS, JavaScript, Node.js, D3.js, Bootstrap, Drupal, WordPress
- **Tech:** Linux, Unreal Engine, World Viz, Git, IntelliJ, Jira

AWARDS

- Robert Ragel Scholarship, URSA Engage Research Grant, COE Dean's List, First Year EECS Scholarship

EDUCATION

Tigard High School — Valedictorian

Graduated June 2017

- Honors Schools Graduate with 4.0 Unweighted GPA & 4.3 Weighted GPA
- Clubs: Spanish National Honor Society, Science National Honor Society Secretary, National Honor Society, Key Club, SPEAK Club, Sparrow Club, Tutoring Club, Link Krew
- Courses: IT Tech 1, Web Design, Game Programming, IB Spanish 4, Accounting 2, IB Calc, IB Psychology

EXPERIENCE

Oregon State University Pre-College Programs — Student Outreach Assistant

March 2019 – January 2020

- Leads campus tours and STEM activities for K-12 students.
- Facilitates student panels to help students understand the college process.
- Conducted engaging and interactive science experiments for students.

Oregon State University Pre-College Programs — Pre-College Peer Mentor

January 2019 – March 2019

- Taught hands-on chemistry classes for the Winter Wonderings Program.
- Supervised students throughout the program to maintain structure.
- Interacted with students and parents to ensure positive learning experience.

Parsons & Germer CPAs — Intern

February 2017 – April 2017

- Maintained and updated client information in company's databases.
- Assisted with administrative projects.

LEADERSHIP

IMPACT — Lead Volunteer

September 2018 – March 2019

- Encouraged, supported, and helped children swim, play games, and exercise.
- Trained to develop participants' skills needed for daily life with their specific needs.
- Helps kids with disabilities develop social and physical skills through physical exercise.

Oregon State University Honors College — Peer Mentor

September 2018 – June 2019

- Mentors underrepresented students joining the Honors College on a 1 to 1 basis.
- Introduce students to research and other opportunities on campus.

Oregon State University Society of Women Engineers — Ambassador

September 2019 – December 2019

- Helps incoming freshmen women in engineering majors adjust to college.
- Introduce students to research and other opportunities on campus.

Girls Geek Out — Camp Counselor

June 2015

- Served as a role model to encourage middle school girls to pursue STEM.
- Collaborated with and helped students code, test, and debug their programs for robot races.
- Facilitated hands on science experiments for students.