

# Vy La

Seattle, WA

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## EDUCATION

### Bachelor of Arts in Computer Science

Seattle Pacific University

Seattle, WA

Expecting June 2025

- SPU Transfer Merit Scholarship
- Coursework: Data Structures and Programming, Algorithm Design and Analysis, System Design, Database Management, Cybersecurity Fundamentals

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## TECHNICAL SKILLS

- **Frontend:** React.js, JavaScript, HTML, CSS, Redux, Webpack, Babel
- **Backend & Database:** NodeJS, MongoDB, SQL, RESTful APIs, PHP (basic)
- **Tools & Platforms:** Figma, Git/GitHub, AWS S3, DynamoDB, WordPress CMS and plugin customization
- **Programming Languages:** JavaScript, Python, C++, Rust, SQL

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## WORK EXPERIENCE

### Education, Technology & Media Student Assistant

Seattle Pacific University

Seattle, WA

October 2022 – Present

- Drafted a step-by-step guide of instructions including screenshots to illustrate the usage of Canvas for instructors, leading to deeper understanding and greater adoption amongst 2000 users.
- Redesigned Canvas navigation structure, reducing confusion by 50% and improving UI accessibility.
- Implemented UI/UX accessibility improvements, leading to a 10% increase in user engagement.

### Computer Science Teacher Assistant Intern

Seattle Pacific University

Seattle, WA

July 2023 – April 2024

- Collaborated with political science and computer science professors to develop interactive geography maps featuring the world, the United States, Washington state and Native American lands within, to support student learning.
- Applied user-friendly UI/UX components using React.js, JavaScript, and Google GeoChart for interactive map navigation and dynamic data visualization.
- Developed a MongoDB database connected to Node.js backend that manages and serves geographic data for countries, states, and Native American lands.

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## PROJECTS

### WhatColor Colorblindness App (React Native, Python, AWS S3, DynamoDB)

September 2024 – Present

Front-end developer

- Designed wireframes & UI using Figma with colorblind-friendly palettes
- Developed Android front-end, integrating on-device Machine Learning to detect & label colors
- Engineered accessibility features (custom contrast modes, camera & gallery inputs)
- Integrated UI with RESTful APIs in collaboration with backend services

### HTTP Library (HTML, CSS, JavaScript)

June 2024

- Independently developed a lightweight JavaScript library for HTTP requests and custom form validation. Owned the full design and testing cycle, ensuring seamless front-end integration.

### Task Manager (HTML, CSS, JavaScript)

May 2024

- Led frontend development and worked with teammates to build a full-stack task management web app supporting CRUD operations with database interaction.

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## VOLUNTEER WORK

### Teacher Assistant & Web Developer

Van Lang Vietnamese Cultural & Language School

September 2021 - Present

Seattle, WA

- Collaborated with experienced software developers to design and implement the layout of the school website using WordPress, aligning with the school's educational goals and visual branding.
- Gained hands-on experience with WordPress theming, content structuring, and plugin integration in a real-world, collaborative setting.
- Boosted performance by cutting page-load time 65% (from 4 s to 1.4 s), enhancing UX and SEO.
- Supported classroom instruction by developing clear learning materials and providing one-on-one support to students in Vietnamese language learning.