

# Tyler Nguyen

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Highly motivated individual seeking an entry-level position in software developing and data science. Possess a solid foundation in a variety of programming languages Able to work independently and in a team-oriented environment. I am passionate about solving complex problems and creating innovative solutions.

## EDUCATION

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**Oregon State University**, Corvallis, OR September 2022 – June 2026 Corvallis, OR

Bachelor of Science — Computer Science

Graduating Class of 2026 | GPA: 3.74

**Relevant Coursework:** Computer Architecture and Assembly Language, Data Structures, Operating Systems I, Web Development, Software Engineering I & II, Analysis of Algorithms, Programming Language Fundamentals, Introduction to Databases, Introduction to Machine Learning & Data Mining, Introduction to Parallel Programming, Introduction to Computer Networks

## INVOLVEMENT

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### Hackathon Club

- Participation in projects that involves collaborative programming competitions called Hackathons

### Vice President of Philanthropy of the Phi Gamma Delta Fraternity

- Coordinated and organized philanthropy events with other sororities via business emails and text messages
- Honed my leadership authority to ensure outstanding chapter participation in these charitable philanthropy events

## WORK EXPERIENCE

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**Old Navy** July 2020 – January 2022 Tualatin, OR

- Marketing our rewards program and getting customers to sign up for it was our main objective, so adequate customer service and communication skills were crucial.

**IgniteXL Ventures AI-Powered VC Deal Sourcing Externship** March 2024 – April 2024 Corvallis, OR

- Conducted in-depth research using Crunchbase and other data sources to inform venture capital deal sourcing and investment thesis development.
- Developed and refined financial models through market sizing and revenue projections, culminating in the creation of concise investment memos.

## PROJECTS

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**AI-powered Investment Analysis Tool (Python)** March 2024 – April 2024 Corvallis, OR

- Developed a Python tool using AI algorithms to analyze trends in venture capital investments based on market data from Crunchbase.

**Unix File and Directory Processing Program (C)** October 2024 Corvallis, OR

- Developed a C program for Unix environments that interacts with users to locate, read, and process CSV files based on user-defined criteria. Parsed movie data to dynamically generate directories and yearly movie files with custom permissions. Implemented error handling, file I/O, and directory management with unique naming conventions.

**Custom Unix Shell Implementation (C)** November 2024 Corvallis, OR

- Designed and implemented a Unix-based shell supporting command execution, I/O redirection, background processes, and signal handling using `fork()`, `exec()`, and `dup2()`. Demonstrated proficiency in Unix process and signal APIs.

**StyleSwipe Web Application** | [GitHub Repository](#) December 2024 Corvallis, OR

- Developed a Tinder-style clothing app with responsive UI using HTML5, CSS3, and JavaScript, secured DOM updates to prevent XSS, and collaborated on Git/GitHub for version control.

**Full Stack Event Management Application (SQL, Javascript, HTML, CSS, Node.js)** January 2025 – March 2025 Corvallis, OR

- Developed an event management web application using Node.js and MySQL, implementing CRUD operations, managing many-to-many relationships, and creating a dynamic user interface.

## SKILLS

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**Programming languages:** Python, Javascript, C++, C, HTML, CSS, MASM x86, SQL, Node, OpenMP, SIMD, CUDA, OpenCL, MPI