

# Allan Dao

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## EDUCATION

### University of Washington – Seattle, WA

Bachelor of Science in Computer Science  
GPA: 3.75; Graduation: June, 2024

**UW Lavin Entrepreneurship:** Competitive interdisciplinary program; cohorts of ~30 students each year. Focus on student ventures, with sessions to learn from founders and about VC.

**Coursework:** Java. Data Management (SQL, NoSQL), Systems Programming (C, C++), Hardware/Software Interface (C), Functional Programming (OCaml, Racket), Compiler Construction, Data Structures and Parallelism (also covers algorithms), Data Visualization

## WORK EXPERIENCE

### Incoming Fall Software Engineering Intern – C# Backend | Westbold

September 2023 – December 2023

### Technology Intern – Software Developer | Wells Fargo

June 2022 – August 2022

- Full-stack engineering with Angular (TypeScript), .NET (create API endpoints), and SQL.
- Designed and developed a new configuration screen end-to-end for an Angular web app supporting records retention compliance.
- Screen offers UI to avoid manual editing of database, avoiding errors and multi-day delays due to change requests.
- Address 10+ warnings from static code analysis scans and 25+ accessibility issues to meet security and brand guidelines.

### DevOps Intern | Steelcase

June 2021 – January, 2022

- Utilized Azure, Kubernetes, Docker, Helm, and other DevOps technologies to automate build and deploy processes of three websites for two other teams (i.e. React dashboards) through Azure YAML pipelines.
- Terraform used to create Datadog monitors of key applications and endpoints and with Packer to automatically maintain a shared image gallery for VMSS build agents; 1 new image every 2 weeks - 2 months became 1 each week or every other.
- Developed a Python script to compare pipeline files with those on GitHub Actions to avoid unnecessary 3+ hour pipeline runs.

## VOLUNTEERING & LEADERSHIP

### CSE Ambassador | Paul G. Allen School of Computer Science & Engineering

September 2021 – September 2022

- Implementing DEIA initiatives to encourage greater participation in computing for students of all backgrounds.
- Supported the admissions process of about 140 UW CSE admits by hosting live digital events and answering questions 1 on 1.

### Technology Chair | Lavin Innovation Studio, UW Lavin Entrepreneurship | [uwlavinstudio.com](http://uwlavinstudio.com)

March 2021 – June 2021

- Configured technology for a 50 student, week-long entrepreneurship event; created a website for marketing and registration.

### Co-Founder | Washington Student Cancer Awareness Association | [wascaa.org](http://wascaa.org)

April 2018 - Present

- WASCAA is a student nonprofit that supports the cancer community. Coordinator for a 5k run and more to raise \$11,000+.

## PROJECTS

### Data for Good | JPMorgan Chase | Python (pandas)

April 2022

- Analyzed data such as GDP to define social and environmental good for a recommendation about sustainable foreign exports.

### DubHacks | Python (Flask)

October 2020, October 2021

- Developed a Flask web app to handle requests for a browser extension providing CO2 emissions data on Amazon food products.

### Personal Website | [allandao.com](http://allandao.com) | HTML, CSS (Bootstrap), Netlify

- Portfolio of past websites created for local nonprofits, school organizations, competitions, and a small business in Hawaii.

### Stock Dashboard | HTML, CSS (Bootstrap), JavaScript, jQuery, and Netlify Lambda functions

- Used the Finnhub Stock API for a stock dashboard, offering real-time data when available and saving of dashboard via cookies.

### Python Web Projects | Python

- A Flask web app to scrape RSS feeds, plus an automatic script to email 8 friends daily a random word and definition.