

## Education

**Washington State University, Computer Science** Pullman, WA

**Graduating: May 2026**

## Skills

**Frameworks:** .NET, Entity Framework, Django, Vue / Svelte / React

**University Coursework:** Systems Programming, Algorithm Design & Analysis, Graph Theory

**Languages:** C / C++, Golang, C#, Python, JS / TS, Dart, SQL Server, PostgreSQL

## Accolades

|                                                                                               |             |
|-----------------------------------------------------------------------------------------------|-------------|
| <b>WSU Triangle Chapter Founder and President Internal</b>                                    | <b>2023</b> |
| <b>1st Place, FBLA Washington State Conference (Website Design, UX Design)</b>                | <b>2022</b> |
| <b>3rd Place, FBLA National Conference (Coding &amp; Programming)</b>                         | <b>2021</b> |
| <b>1st Place, FBLA Washington State Conference (Coding &amp; Programming, Network Design)</b> | <b>2021</b> |

## Professional Work Experience

|                                                            |                         |
|------------------------------------------------------------|-------------------------|
| <b>Software Engineer Associate IntelliTect (Full Time)</b> | <b>5/2024 - 8/2024</b>  |
| <b>Software Engineer Intern at IntelliTect (Full Time)</b> | <b>6/2023 - 10/2023</b> |
| <b>Software Engineer Intern at IntelliTect (Part Time)</b> | <b>9/2022 - 6/2023</b>  |
| <b>Software Engineer Intern at IntelliTect (Full Time)</b> | <b>6/2022 - 9/2022</b>  |

## Notable Work

### **10N1 Piano (IntelliTect, Virtual Piano Lessons LLC)**

- Recreated a mobile app to stream piano lessons through MIDI connections from piano to piano.
- Fixed old versions WebRTC layer latency, video quality, and call dropping issues.
- Implemented a "File Sharing Library" with Azure Blob storage
- Along with development, tasked with onboarding new developers, leading weekly internal standups, and presenting at standup with external client

### **Audience Interactive Systems (IntelliTect, Spokane Symphony)**

- Created a dynamic user driven Word Cloud algorithm utilizing Redis concurrent queues
- Created a unique algorithm which uses a combination of box fitting and dynamic programming for a differential equation to size words proportional to their occurrences from the Redis queue in constant time.

### **WSU Picol Database (IntelliTect, Washington State University CAHNRS College)**

- Recreated a database that used deprecated anti-patterns via reverse scaffolding
- Updated from decade old .NET code to latest version
- Completely reimaged front end to resemble a modern search engine