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## Objective

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Highly skilled developer with 2 years of industry experience and 15 years of independent practice, seeking a frontend developer role where I can apply my ideation, relator, and strategic strengths, alongside my broad range of technical skills, to build awesome software that makes a difference in the world.

## Education

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Central Washington University, Ellensburg, WA  
Bachelor of Computer Science, June 2019  
Concentration in Graph Algorithms and Graphics  
Minors in Mathematics  
G.P.A. 3.7

## Experience

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**Intern Software Developer**      NRS Systems, Yakima, WA      Winter, 2018

- Developed a Google Calender widget in javascript, which accessed user data via Google's OAuth service.
- Team collaboration which consisted of bi-weekly meetings and pair programming assignments.
- Applied functional programming to process reoccurring event rules (rrules) in a clean, understandable fashion.

**Research Assistant**      Central Washington University, Ellensburg, WA      Spring 2019

- Researched graph algorithms under Dr. Arne Leitart.
- Contributed via directed research in the search to find a more efficient k-dominating set approximation algorithm..
- Peformed TA duties for a specialized graph algorithms course, such as grading assignments, helping students during lab, and responding to emails.

**Software Developer**      SMART Technologies, Seattle, WA      August 2019-Feb 2021

- Agile, SOLID, Azure Devops
- Android application, c++/java/kotlin, MVVM
- Webapps, nodejs, react, vuejs
- Team had mix functional and object-oriented approach

## Projects

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**Alonzo**      <https://andgate.github.io/alonzo>

- Lambda calculus interpreter and repl written in Haskell.

**solid-orbit**      <https://www.github.com/andgate/solid-orbit>

- NPM package with solid-js hooks and components that provide an oribt-js data-layer.

**Mandelbulb Explorer**      <https://andgate.github.io/mandelbulb>

- Raytracer with signed-distance field for mandelbulb written in glsl.
- Uses sfml to provide interactivity.

## Skills

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- Languages: Java, Kotlin, C, C++, C#, Python, Haskell, Swift, Typescript, Javascript
- Tools: git, npm, webpack, firebase, docker
- Frameworks: React, Vue, Solid, kotlin-flow, pytorch