

# Julianne Sem



360.551.7307



juliannesem3@gmail.com



<https://www.linkedin.com/in/juliannesem/>



Oak Harbor, WA

## Computer Science Student



### Education

B.S. in Computer Science Candidate | Western Washington University | Bellingham, WA | Graduation: June 2020  
Minors: Physics, Mathematics

#### Relevant Coursework:

- **Computer-Mediated Communication:** Introduction to HTML, CSS, and JavaScript
- **Object Oriented Design:** Introduction to Unified Modeling Language (UML) documentation and design patterns.
- **Data Structures:** Trees, Graphs, Hash Table and sorting/searching algorithms.
- **Operating Systems:** The different functions and importance of an operating system in a computer.
- **Analysis of Algorithms:** Analyze algorithms using recurrence trees and other techniques.

#### Activities:

Association for Women in Computing, WWU Tennis Team



### Skills

Java, C, Python, Julia, HTML, CSS, JavaScript, UML, SQL



### Experience – Computer Science



<https://github.com/JulianneSem>

#### NimbleKnow:

This group project involved implementing a software similar to Socrative. The software helps teachers to be able to make their classrooms interactive by asking questions that students can answer on their mobile devices. Our software also allows the user to change the text to their desired language. Some of the tools that were used are: Flask, Heroku, SQLite and Bootstrap.

<https://nimbleknow.herokuapp.com/>

#### CAPTivate:

CAPTivate is my current group project. In this project my teammates and I are creating an attendance system for the Civil Air Patrol (CAP). Creating this software will increase the safety of the CAP meetings as well as increasing the efficiency of keeping track of attendance. We are utilizing Raspberry Pi's, MySQL, Android Studio, and Java to complete this project.



### Experience – Work

Grader for a Computer Science Class | Western Washington University | Bellingham, WA | January 2020 - March 2020

Data Entry, Shipping | Hardware Sales Internet Division | Ferndale, WA | June 2017 – June 2018

Data Entry | Sebo's Hardware & Equipment Rental | Anacortes, WA | 2015 – 2016