# Gabrielle Josephson

Oregon City, OR, U.S.A.
**E:** gabjosephson@gmail.com
**Github:** https://github.com/Velavee/Portfolio-Projects
**Personal Website:** http://people.oregonstate.edu/~josephsg/home.html

**EDUCATION**

**Bachelor of Science in Computer Science,** *Oregon State University – Corvallis, OR*

In progress – expected to graduate December 2021
- ◘ GPA: 4.0
- ◘ **Relevant Coursework:** C++ Programming, Data Structures, Algorithms, Operating Systems, Web Development, Computer Architecture and Assembly Language, Discrete Mathematics, Multivariate Calculus

**Bachelor of Arts in Linguistics,** *University of Oregon – Eugene, OR*

Completed in 2014
- ◘ GPA: 3.94 (Summa Cum Laude)
- ◘ **Thesis:** Investigating the Acquisition of Russian Motional Prefixes in Native English Speakers

**WORK EXPERIENCE**

**Web Designer and Technology Support**, *Autistic Community Activity Program – Portland, OR*

August 2020 – Present
- ◘ Rebuilt website for easier navigation and added features such as donation button and selling items (live website here)
- ◘ Maintained social media accounts and developed a strategy to increase reach
- ◘ Assisted in adopting G Suite for nonprofits and restructuring the file system in Shared Drives

**Programming Mentor,** *Community Workshop – Portland, OR*

September 2020 – Present
- ◘ Taught basic programming concepts to a client with Autism
- ◘ Collaborated with client on microcontroller projects in both conception and implementation

**Educational Assistant,** *Colton School District – Colton, OR*

April 2018 – Present
- ◘ Implemented positive behavior interventions for high school and elementary school students
- ◘ Gave special needs students supplementary care
- ◘ Conducted small group reading and math lessons

**Native English Teacher,** *Jeollanamdo Language Program – Hampyeong, South Korea*

November 2015 – November 2016
- ◘ Taught conversational English at middle and high schools
- ◘ Designed and taught two camps on the themes of world culture, science, and superheroes
- ◘ Created PowerPoint presentations for instruction and interactive educational games

**Research Assistant,** *Linguistic Variation and Computation Lab, University of Oregon – Eugene, OR*

June 2013 – December 2013
- ◘ Recruited and interviewed candidates for a sociolinguistic research project
- ◘ Transcribed interviews and coded data using Microsoft Excel and Praat

**PROJECTS** (For downloads and more see Github.)

**Sweepstakes Solver**, *C++ – Completed as a project for Analysis of Algorithms at OSU*
- ◘ Solves the 0-1 knapsack problem for a group of containers using dynamic programming.

**Spell Checker**, *C – Completed as a project Data Structures at OSU*
- ◘ Checks the spelling of a user-inputted word. If the word is misspelt, the five closest suggested words are printed to the console. Implemented with a hash map and Levenstein's algorithm.

**Combinations Generator**, *MASM 5 – Completed as a project for Computer Architecture and Assembly Language at OSU*
- ◘ Generates combinations problems (of the form n!/k!(n-k)!) and allows user to check their answers while tracking the score. Implemented with recursion.

**SKILLS**

**Computers:** C/C++, HTML/CSS, Bootstrap, JavaScript, PHP, Linux/Unix
**Languages:** Conversational Russian and Japanese