

"Let me move the earth, while others rage. Just give me a place to stand."

-Archimedes (adapted)

Jake Seawell

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Professional Objective:

To create innovative, effective, and efficient technological solutions in the fields of computer science and software development.

Personal Purpose:

Unparalleled dedication to innovation, excellence, and integrity in each endeavor and creation.

Software/Technologies

- C/ C++
- HTML/CSS/JavaScript
- UNIX
- Python
- Swift
- MariaDB/SQL
- Node
- Assembly (MASM)
- MATLAB
- UX/UI
- Agile
- CAD Experience
 - Autodesk Inventor
 - Solid Works
 - Rhinoceros
- Adobe Suite
 - Photoshop
 - Lightroom
- Microsoft/Google Suites
 - Word/Docs
 - Excel/Sheets
 - Power-point/Slides

Passion Project

- Football Play-Tracker App (in-progress)
 - Designing app to help coaches track plays run, & plays run by opponents
 - Focused on improving in-game play-calling & post-game analysis
 - Built using Xcode, swift, & IOS builder

Work Experience

- Teaching Assistant – *Currently Employed*
 - Conducted office hours, online support, & grading to students in CS-344 (Operating Systems)
- Substitute Teacher – *Currently Employed*
 - Taught a variety of subjects in Elementary, Middle, & High Schools
- High School Teacher/Coach - Evergreen School District
 - Taught Advanced Math, Honors English, Creative Writing, & Mythology
 - Coached Freshman, JV, and Varsity Football & Baseball
- Other jobs available upon request

Education

- Oregon State University – BS in Computer Science
- Pacific University – MAT (Advanced Math & English Language Arts)
- Oregon State University – BS in Psychology of Creative Writing
- University of Colorado at Boulder – 51 credits in Aerospace Engineering

My Programs

- [Fugitive Game – C++](#)
- [Photography Website – HTML/CSS/JS](#)
- [Bookstore Database – Node/MySQL/MariaDB](#)
- [Hash-map Spellchecker – C](#)
- Check them out (and more) in my portfolio: <https://jseawell.github.io>

Core Values

- Education, curiosity, & life-long learning are important to me. I have completed two degrees, with a 3rd near completion, always aiming to further my knowledge & experience in divergent areas of interest to me. I've also used this experience to develop teaching & coaching careers, with the hope of sharing my experiences.
- I love to travel, & explore, & absorb. As a hobby, I've developed a love of landscape & drone photography, & my bucket-list of new destinations is ever growing. I think of new experiences, new people, new cultures, as the truest way to expand one's way of thinking, & one's understanding of our massive world.
- As a child, my free time was spent with Lego bricks in my hands, & stories in my head. Even today, I've maintained a love of design & creation. I love to build, & fix, & tinker, & innovate. It's problem solving, but it's all play to me.
- I am extremely passionate about sports. I thrive on the competition. But more than that, I admire the values required of athletes: work ethic, focus, communication, teamwork, leadership, fellowship. I currently play on an Olympic handball team, I coach, & I umpire baseball. I hope to keep sports in my life until the day I die.

Volunteer Experience

- Math and AVID Tutor – AmeriCorps (Partnership for Student Achievement)
 - Tutored full-time in Math & AVID classrooms
 - Captained daily, after-school homework support
 - Developed/held community volunteer projects
 - Improved student exam scores by 10-15% (on average)

References

- Teaching
 - Brian Grimsted: brian.grimsted@evergreenps.org
 - Jodi Stevens: Jodi.stevens@evergreenps.org
- Coaching
 - Football – Rory R: rory.rosenbach@evergreenps.org
 - Baseball – Bob Berent: rjberent@hotmail.com
- AmeriCorps
 - Jeri Lerwick: jlerwick@fgsd.k12.or.us
 - Sarah Denny: dennys@hsd.k12.or.us