

**"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, and grading to students in CS-344 (Operating Systems)
- Substitute Teacher – *Currently Employed*
  - Taught a variety of subjects in Elementary, Middle, and High Schools
- High School Teacher/Coach - Evergreen School District
  - Taught Advanced Math, Honors English, Creative Writing, and Mythology
  - Coached Freshman, JV, and Varsity Football and 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, and life-long learning are important to me. I have completed two degrees, with a 3<sup>rd</sup> near completion, always aiming to further my knowledge and experience in divergent areas of interest to me. I've also used this experience to develop teaching and coaching careers, with the hope of sharing my experiences.
- I love to travel, and explore, and absorb. As a hobby, I've developed a love of landscape and drone photography, and 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, and one's understanding of our massive world.
- As a child, my free time was spent with Lego bricks in my hands, and stories in my head. Even today, I've maintained a love of design and creation. I love to build, and fix, andinker, and 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, and 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](mailto:brian.grimsted@evergreenps.org)
  - Jodi Stevens: [Jodi.stevens@evergreenps.org](mailto:Jodi.stevens@evergreenps.org)
- Coaching
  - Football – Rory R: [rory.rosenbach@evergreenps.org](mailto:rory.rosenbach@evergreenps.org)
  - Baseball – Bob Berent: [rjberent@hotmail.com](mailto:rjberent@hotmail.com)
- AmeriCorps
  - Jeri Lerwick: [jlerwick@fgsd.k12.or.us](mailto:jlerwick@fgsd.k12.or.us)
  - Sarah Denny: [dennys@hsd.k12.or.us](mailto:dennys@hsd.k12.or.us)