

Jake Seawell

“Let me move the earth, while others rage.
Just give me a place to stand.”
- Archimedes (adapted)

Software Developer

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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++ (Proficient)
- HTML/CSS/Javascript (practiced)
- UNIX (prior exp.)
- Python (practiced)
- Swift (prior exp.)
- Dart/Flutter (prior exp.)
- MariaDB/SQL (practiced)
- Node.js (prior exp.)
- Assembly Language (MASM) (prior exp.)
- MATLAB (prior exp.)
- UX/UI (prior exp.)
- Agile (prior exp.)
- CAD Experience
 - Autodesk Inventor
 - SolidWorks
 - Rhinoceros
- Adobe Suite
 - Photoshop
 - Lightroom
- Microsoft/Google Suites
 - Word/Docs
 - Excel/Sheets
 - Powerpoint/Slides

Passion Project

- Football Play-Tracker App - In Progress
 - Designed app to help coaches track plays
 - Focussed on improving in-game play calling and post-game analysis
 - Built using Xcode, Swift, and IOS App Builder

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

Work Experience

- Teaching Assistant – Oregon State University
 - Conducted office hours, online support, & grading to students in CS-344 (Operating Systems)
 - Currently Employed
- Substitute Teacher – ESS
 - Taught a variety of subjects in Elementary, Middle, & High Schools
 - Currently Employed
- 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

My Programs

- Fugitive Game
- Photography Website
- Bookstore site w/ database backend
- Hashmap Spellchecker

Check them out and more in my portfolio:
[JSeawell.github.io](https://jseawell.github.io)

CS Courses

- Computer Science I, II
- Software Engineering I, II
- Discrete Mathematics
- Mobile Software Development
- Usability Engineering
- Analysis of Algorithms
- Computer Networks
- Computer Architecture & Assembly Language
- Computer Databases
- Operating Systems
- Computer Data Structures
- Web Development

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

- References available upon request