

MAX SCHAEFER

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Career Target: Software Engineer – Web Developer – App Developer

KEY QUALIFICATIONS:

- Knowledge of computer systems, algorithms, databases, secure software design and software architecture, full stack web development
- Ability to creatively solve issues and design solutions for complex software problems
- Familiar with Unity, React, Mobile and Web Programming, SQL, C, C#, C++, Racket, R, Python, Java, P5.js, Open Frameworks and Docker
- Strong collaboration skills, independent study, critical thinking and problem solving
- Experience working as an individual, leader, and member of a team in production environments
- Demonstrated ability to complete complex development tasks in a timely manner
- Developed core problem solving skills in competitive coding club acquiring a 3rd place finish in the Fall 2024 competition

EDUCATION

Bachelor of Science, Computer Science

Western Washington University (WWU), Bellingham, WA, **ABET Accredited** | GPA: 3.37 | Graduated June 2025

Relevant Coursework:

Analysis of Algorithms II | Secure Software Development | Operating Systems | Game Programming | Database Systems
Object Oriented Design | Mobile Device Programming | Physics | Web Programming | Artificial Intelligence | Robotics |
Linear Programming | Linear Optimization |

SOFTWARE DEVELOPMENT, DESIGN, AND PROGRAMMING EXPERIENCE

Senior Project: Chaos Engineering, WWU Computer Science Dept. | Bellingham, WA

- A fuzz testing tool and lab guide for the OWASP Juice Shop hosted on the WWU Cyber Range.
- A team of 3 and I created a custom learning tool for students to explore SQL Injection, HTTP Manipulation, End Point testing, Brute and Dictionary Attacks.
- My roles included writing SQL Scripts, Lab Guides and managing the Docker containerization of our software.

Unity Third Person Zombie Shooter Game, WWU Computer Science | Bellingham, WA

- I developed animation, rigging, movement, shooting, and mechanics of our demo
- Created a thorough plan for coordinated development
- Researched deeply outside of class into other core unity development strategies

Graphics Programming, Individual | Bellingham, WA

- I am always looking into graphics programming whether it be OpenGL, OpenFrameworks, or p5.js
- P5.js projects include my falling sand [here](#) and the background of my website [here](#).

Crusader Travels, WWU Computer Science Dept. | Bellingham, WA

- A travel itinerary school project I took the lead on that lets you add Hotels, flights, and events to an itinerary.
- Includes a full sign in system, and mongoDB database.

Custom Hardware Overlay, Individual | Bellingham, WA

- A Windows Presentation Format (WPF) hardware overlay side project meant to help me learn the WPF system.

ADDITIONAL WORK EXPERIENCE

Geo Technician, Northern Associate Inc. | Fairbanks, AK

Summer of 2021

Grounds Crew Lead, Tanana Valley State Fair Association | Fairbanks, AK

Summer of 2023 and 2024