

Scott H. Waldron

360.461.0966
waldros2@gmail.com
github/waldros2
linkedin/in/scottwaldron
scottwaldron.com

Professional Experience

SPIE

Software Development Intern

Bellingham, WA

Jan–Nov 2018

- Designed and implemented major web pages using C#, JavaScript, Linq, HTML, and CSS in an Agile environment to the benefit of the customer
- Collaborated with peers, project managers, and senior software managers following the Agile development process to maintain quarterly deadlines
- Independently implemented a major API to include interactive transcripts to increase member accessibility of all SPIE videos

Education

Western Washington University

Master of Science in Computer Science

Bellingham, WA

Est. Jun 2019

Western Washington University

Honors Bachelor of Science in Computer Science

Bellingham, WA

Software Experience Examples

Full Stack Development

Senior Graduation Enterprise

- Collaborated with a group to develop a Full Stack for *The United States Civil Air Patrol* cadet program
- Advocated for the structure, scope, schedule and delivery to the client
- Composed and oversaw the product from start to finish

Micro Kernel Development

Operating Systems Internals

- Concurrent kernel resource management involving interprocess communication between threads
- Organized and scheduled user-level processes
- Implemented multiprogramming with fork involving file-related syscalls
- Coordinated and synchronized serial I/O device drivers

Command Line Interpreter

Unix Software Development

- Implemented tokenizing of parameters using dynamic memory
- Enacted built-in functionality and provided environment variable processing
- Included interpretive line expansion including limited wild-card expansion
- Designed and utilized pipelining and file redirection

Skills

- Expert : C\C++, C#, Javascript, HTML, CSS, Visual Studio, TFS, ASP.NET, LINQ
- Intermediate : NodeJs, Django, Java, Python, R, SQL, Elasticsearch, Latex
- Learning : PHP, d3, pandas, Jupyter Notebooks and much more...