

# Scott H. Waldron

360.461.0966  
waldros2@gmail  
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

### **Machine Learning Research Development**

*Machine Learning Paradigms*

- Implemented regularization to generalize binary classified audio files
- Used libraries such as *scipy* to perform user rating regression using sparse frequency encodings.
- Collaborated with team to produce robust models and conduct satisfactory reports.

### **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

### **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

## Skills

- Expert : C\C++, C#, Java, Python, R, TensorFlow, Keras, Pandas, Jupyter Notebooks
- Intermediate : NodeJs, Javascript, HTML, CSS, SQL, Elasticsearch, Latex, PyTorch
- Learning : PHP, d3, Django, and much more...