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Work Experience

- **SPIE** Bellingham, WA
Software Development Intern Jan–Nov 2018
 - Designed and implemented major web pages using C#, JavaScript, Linq, HTML, and CSS in an Agile environment
 - Collaborated with peers, project managers, and a senior software manager following the Agile development process
 - Maintained and debugged customer facing pages as well as implemented server side improvements

Education

- **Western Washington University** Bellingham, WA
Master of Science in Computer Science Est. Jun 2019
- **Western Washington University** Bellingham, WA
Honors Bachelor of Science in Computer Science

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, Java, Python, R, SQL, Elasticsearch
- Learning : PHP, d3, pandas, Jupyter Notebooks