

Scott H. Waldron
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github/waldros2

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 Est. Jun 2018

Skills

- CSCI 510 (Automata and Formal Lang. Theory)
- CSCI 509 (Operating System Internals)
- CSCI 367 (Computer Networks I)
- CSCI 352 (Unix Software Development)
- CSCI 322 (Principles of Concurrent Programs)
- CSCI 305 (Analysis of Algorithms I)
- CSCI 301 (Formal Lang. & Functional Programming)
- CSCI 247 (Computer Systems I)
- CSCI 241 (Data Structures)

Software Experience

- **Full Stack Development** Bellingham, WA
Senior graduation enterprise September 2017 - June 2018
 - Collaborated as a group of 4 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** Bellingham, WA
Operating Systems Internals September 2017 - December 2017
 - 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** Bellingham, WA
Unix Software Development April 2017 - June 2017
 - 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

Work Experience

- **Black Ball Ferry Line** Port Angeles, WA
Merchant Marine O.S. June 2008 - September 2017
 - Worked with an international crew to provide the best experience to the customer
 - Used the onboard system to catalogue and sort available parts into the database
 - Maintained a level of leadership and vigilance while underway