

JOSHUA HASSLER

Software Engineer

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EXPERIENCE






- 2018 - Present **Arista Networks** **Software Engineer**
Nashua, NH Member of compiler team working to improve language usability. Optimized compiler parsing to reduce build times. Designed and implemented caching solutions powered by Redis increasing cache hit rate from 20% to 80%.
C++ / Python / Redis / Boost
- 2016 - 2018 **SPACE HAUC** **Lead Developer**
Lowell, MA Team awarded \$200,000 grant from NASA to develop a CubeSat. Devised multi process communication model to allow for high data concurrency. Programmed publisher-subscriber system to enable hot-swappable plugin based architecture.
C / C++ / System V / SQL
- 2014 - 2017 **Akamai Technologies** **Technical Intern**
Cambridge, MA Implemented tooling to increase team efficiency. Created automated resource requisitioning tools to help capacity team respond to dynamic network demands. Worked with and designed schmas for large SQL databases.
Perl / Python / PHP / JavaScript / SQL / BASH

EDUCATION





- 2015 - 2018 **University of Massachusetts Lowell**
Lowell, MA Bachelor of Science in Computer Science, GPA: 3.57
Relevant Coursework: Algorithms, Compiler, Graduate OS I&II, Organization of Programming Languages, Databases

SKILLS

Coding Languages

C/C++ 
Python 
SQL 
Rust 
Perl 

Tools

Perforce 
Git 
L^AT_EX 
GDB 

Other

GNU/Linux 
Redis 