Jason Priest

For more information on my projects and experience, visit https://jpriest.me/

| Education | Massachusetts Institute of Technology Bachelors of Engineering in EECS – Incomplete | 2015 – 201 9 |
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| | > Technical GPA: 4.54 | |
| | › Coursework | |
| | Algorithms, Advanced Data Structures, Compilers, Operating Systems, | |
| | Performance Engineering, Databases, Technical Communication | |
| | SaveTFP – President of Student Community Service Club | 2016 – 2019 |
| | Varsity Athlete – Men's Lightweight Crew Team | 2015 – 2016 |
| Experience | the state of the s | 2019 – Presen |
| | Researcher on team developing secure operating system for a new tagget Working on build system, system call/libc interface | d architecture |
| | | Summer 2018 |
| | > Developed backend for new financial instrument on a platform connecting types of financial institutions | ng different |
| | > Profiled, benchmarked, and tested optimizations in C++ codebase | |
| | | Summer 2017 |
| | › Added new frontend to data flow graph compiler | |
| | Developed new optimizations within an existing compiler framework | |
| | Developed, found bugs, and extended tests in large C++ codebase | |
| | MIT Lincoln Laboratory | Fall 201 |
| | › Performed research in reverse engineering and simulating PowerPC Linu | ıx wireless |
| | access point | |
| | <u>-</u> | Summer 2010 |
| | Implemented high-availability, online upgrading, and improved cooperator for a Java and PostgreSQL backend server with Apache Mesos and ZooKe Helped introduce continuous delivery systems using Atlassian Pipelines Performed data analytics using PostgreSQL and Domo.com | |
| Projects | DenuoCC | Rust 2019 |
| | Work-in-progress C compiler (functional preprocessor, parser incomplete Extensive unit-testing framework | a) |
| | / LACTISTYC UTIL COURS TRUTIC WOLK | |
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| | RADS | |
| | RADS > Implementation of advanced data structures and algorithms for class | |
| | RADS > Implementation of advanced data structures and algorithms for class > Vector with sublinear insertion, several different | |
| | RADS Implementation of advanced data structures and algorithms for class Vector with sublinear insertion, several different heaps, cache-oblivious sorting algorithm | Rust 2017 |
| | RADS > Implementation of advanced data structures and algorithms for class > Vector with sublinear insertion, several different heaps, cache-oblivious sorting algorithm MITscript | Rust 2017 |
| | RADS > Implementation of advanced data structures and algorithms for class > Vector with sublinear insertion, several different heaps, cache-oblivious sorting algorithm MITscript > Implementation of dynamic language for compilers class | Rust 2017 |
| | RADS > Implementation of advanced data structures and algorithms for class > Vector with sublinear insertion, several different heaps, cache-oblivious sorting algorithm MITscript | Rust 2017 Rust 2017 |
| | RADS > Implementation of advanced data structures and algorithms for class > Vector with sublinear insertion, several different heaps, cache-oblivious sorting algorithm MITscript > Implementation of dynamic language for compilers class > Mark-sweep GC and JIT compiler using LLVM | Rust 201' Rust 201' |
| | RADS > Implementation of advanced data structures and algorithms for class > Vector with sublinear insertion, several different heaps, cache-oblivious sorting algorithm MITscript > Implementation of dynamic language for compilers class > Mark-sweep GC and JIT compiler using LLVM Denuos | Rust 201' Rust 201' |
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| | RADS Implementation of advanced data structures and algorithms for class Vector with sublinear insertion, several different heaps, cache-oblivious sorting algorithm MITscript Implementation of dynamic language for compilers class Mark-sweep GC and JIT compiler using LLVM Denuos Toy x86-64 operating system learning experiment Basic virtual memory, interrupt, and syscall interface LBI Basic implementation of the Lua virtual machine, in Lua Accurately emulates nearly all valid Lua bytecode sequences | Rust 2017 Rust 2017 Rust 2016 Lua 2013 |

- > Languages: C, C++, Python, Java, PostgreSQL, Rust, Lua, x86 Assembly
- > Tools: git, perforce, svn, make/cmake, gcc/clang, ld, gdb, vim/emacs, valgrind, perf
- Operating Systems: Windows, Mac OS X, Ubuntu