

EDUCATION	<p>Rochester Institute of Technology Major: B.S./M.S. Computer Science Expected Graduation: December 2018 GPA: 3.2</p>	August 2012 - Present
TECHNICAL SKILLS	<p>Proficient Languages: C, Go, Java, Python, Standard ML Familiar Languages: Haskell, JavaScript, Prolog, Rust, Ruby, Scheme Operating Systems: Linux (Arch and Debian based), Mac OS X Tools: Git, L^AT_EX, Make, CMake, Regular Expressions, Vim</p>	
EXPERIENCE	<p>Rochester Institute of Technology <i>Reserach Assistant</i></p> <p>Re-implementing MLton's build system to support modern architectures and techniques and improving overall build quality. Switching from GNU Make and small number of handwritten build scripts to a CMake build system.</p> <p>Hudl <i>Software Development Intern</i></p> <p>Sole developer on a mission critical application in Hudl's alerting pipeline. Created two open-source Go packages to interface with PagerDuty and Postmark's RESTful APIs.</p> <p>Rochester Institute of Technology <i>Research Assistant</i></p> <p>Learning about the general structure and implementation strategies of compilers. Implementing a general-purpose annotation system for the MLton compiler.</p>	<p>February 2016 - Present https://mlton.org</p> <p>June 2015 - December 2015 https://hudl.com</p> <p>February 2015 - May 2015 https://mlton.org</p>
PERSONAL PROJECTS	<p>adhoc-prologmorphism <i>Independent Study on Adhoc-Polymorphism</i></p> <p>A collection of documents and interpreters from my independent study on Adhoc-Polymorphism in Hindley-Milner type systems.</p> <p>brainfuck <i>Optimizing Brainfuck Interpreter</i></p> <p>An interpreter for the esoteric, turing complete programming language Brainfuck written in Rust, utilizing a number of optimization strategies to exponentially decrease the number of operations and subsequently the execution time of Brainfuck programs.</p> <p>libstrcmp <i>String Distance Metric C Library</i></p> <p>An optimized C library dedicated to fast implementations of various string distance and phonetic metrics used in natural language processing and fuzzy string matching.</p> <p>mget <i>Manga Scraping Ruby Utility</i></p> <p>A Ruby utility to scrape manga chapters from online sources and then packages each chapter in a cbz (comic book zip) archive.</p>	<p>February 2016 - Present https://github.com/Rostepher/adhoc-prologmorphism</p> <p>December 2014 - Present https://github.com/Rostepher/brainfuck</p> <p>June 2014 - December 2014 https://github.com/Rostepher/libstrcmp</p> <p>June 2014 https://github.com/Rostepher/mget</p>
EXTRACURRICULAR CLUBS & ACTIVITIES	<p>Computer Science House (CSH) <i>Alumni Memeber</i></p> <p>A special interest house with a focus on project-based education in the field of computer science and its related sub-fields.</p>	<p>https://csh.rit.edu</p>