

EDUCATION	<p><b>Rochester Institute of Technology</b>  Major: B.S. Computer Science  Expected Graduation: May 2017</p>	August 2012 - Present
TECHNICAL SKILLS	<p><b>Proficient Languages:</b> C, Go, Java, Python, Standard ML  <b>Farmiliar Languages:</b> Haskell, JavaScript, Prolog, Rust, Ruby, Scheme  <b>Operating Systems:</b> Linux (Arch and Debian based), Mac OS X  <b>Tools:</b> Git, L<sup>A</sup>T<sub>E</sub>X, Make, CMake, Regular Expressions, Vim</p>	
EXPERIENCE	<p><b>Rochester Institute of Technology</b>  <i>Reserach Assistant</i></p> <p>Re-implementing MLton's build system to support modern architectures and techniques and improving over-all build quality. Switching from GNU Make and small number of handwritten build scripts to a CMake build system.</p>	<p>February 2016 - Present  <a href="https://mlton.org">https://mlton.org</a></p>
	<p><b>Hudl</b>  <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>June 2015 - December 2015  <a href="https://hudl.com">https://hudl.com</a></p>
	<p><b>Rochester Institute of Technology</b>  <i>Research Assistant</i></p> <p>Learning about the general structure and implementation strategies of compilers.  Implementing a general-purpose annotation system for the <b>MLton compiler</b>.</p>	<p>February 2015 - May 2015  <a href="https://mlton.org">https://mlton.org</a></p>
PERSONAL PROJECTS	<p><b>adhoc-prologmorphism</b>  <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>February 2016 - Present  <a href="https://github.com/Rostepher/adhoc-prologmorphism">https://github.com/Rostepher/adhoc-prologmorphism</a></p>
	<p><b>brainfuck</b>  <i>Optimizing Brainfuck Interpreter</i></p> <p>An <b>interpreter</b> for the esoteric, turing complete programming language <b>Brainfuck</b> written in <b>Rust</b>, utilizing a number of <b>optimization strategies</b> to exponentially decrease the number of operations and subsequently the execution time of Brainfuck programs.</p>	<p>December 2014 - Present  <a href="https://github.com/Rostepher/brainfuck">https://github.com/Rostepher/brainfuck</a></p>
	<p><b>libstrcmp</b>  <i>String Distance Metric C Library</i></p> <p>An optimized <b>C library</b> dedicated to fast implementations of various <b>string distance</b> and <b>phonetic metrics</b> used in <b>natural language processing</b> and <b>fuzzy string matching</b>.</p>	<p>June 2014 - December 2014  <a href="https://github.com/Rostepher/libstrcmp">https://github.com/Rostepher/libstrcmp</a></p>
	<p><b>mget</b>  <i>Manga Scraping Ruby Utility</i></p> <p>A Ruby utility to <b>scrape manga chapters</b> from online sources and then packages each chapter in a cbz (comic book zip) archive.</p>	<p>June 2014  <a href="https://github.com/Rostepher/mget">https://github.com/Rostepher/mget</a></p>
EXTRACURRICULAR CLUBS & ACTIVITIES	<p><b>Computer Science House (CSH)</b>  <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><a href="https://csh.rit.edu">https://csh.rit.edu</a></p>