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| EDUCATION                          | <b>Rochester Institute of Technology</b><br>Major: B.S./M.S. Computer Science<br>Expected Graduation: December 2018<br>GPA: 3.2  | August 2012 - Present  |
| TECHNICAL SKILLS                   | <b>Proficient Languages:</b> C, Go, Java, Python, Ruby, Standard ML<br><b>Familiar Languages:</b> Haskell, JavaScript, Prolog, Rust, Scheme<br><b>Operating Systems:</b> Linux (Arch and Debian based), Mac OS X<br><b>Tools:</b> Git, L <sup>A</sup> T <sub>E</sub> X, Make, CMake, Regular Expressions, Vim  |  |
| EXPERIENCE                         | <b>Rochester Institute of Technology</b><br><i>Reserach Assistant</i><br>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.   | February 2016 - Present<br><a href="https://mlton.org">https://mlton.org</a>   |
|                                    | <b>Hudl</b><br><i>Software Development Intern</i><br>Worked primarily on internal backend tooling for software deployment and alert monitoring. Created two open-source Go packages to interface with PagerDuty and Postmark's RESTful APIs.   | June 2015 - December 2015<br><a href="https://hudl.com">https://hudl.com</a>   |
|                                    | <b>Rochester Institute of Technology</b><br><i>Research Assistant</i><br>Learning about the general structure and implementation strategies of compilers.<br>Implementing a general-purpose annotation system for the <b>MLton compiler</b> .  | February 2015 - May 2015<br><a href="https://mlton.org">https://mlton.org</a>  |
| PERSONAL PROJECTS                  | <b>adhoc-prologmorphism</b><br><i>Independent Study on Adhoc-Polymorphism</i><br>A collection of documents and interpreters from my independent study on Adhoc-Polymorphism in Hindley-Milner type systems.  | February 2016 - Present<br><a href="https://github.com/Rostepher/adhoc-prologmorphism">https://github.com/Rostepher/adhoc-prologmorphism</a> |
|                                    | <b>brainfuck</b><br><i>Optimizing Brainfuck Interpreter</i><br>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. | December 2014 - Present<br><a href="https://github.com/Rostepher/brainfuck">https://github.com/Rostepher/brainfuck</a>                       |
|                                    | <b>libstrcmp</b><br><i>String Distance Metric C Library</i><br>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> .   | June 2014 - December 2014<br><a href="https://github.com/Rostepher/libstrcmp">https://github.com/Rostepher/libstrcmp</a>                     |
|                                    | <b>mget</b><br><i>Manga Scraping Ruby Utility</i><br>A Ruby utility to <b>scrape manga chapters</b> from online sources and then packages each chapter in a cbz (comic book zip) archive.  | June 2014<br><a href="https://github.com/Rostepher/mget">https://github.com/Rostepher/mget</a>   |
| EXTRACURRICULAR CLUBS & ACTIVITIES | <b>Computer Science House (CSH)</b><br><i>Alumni Memeber</i><br>A special interest house with a focus on project-based education in the field of computer science and its related sub-fields.  | <a href="https://csh.rit.edu">https://csh.rit.edu</a>  |