

Ross M. Bayer

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| CONTACT INFORMATION | 715 Park Point Dr. Unit 3 Rochester, NY 14623 (757) 604-4736 | ross.m.bayer@gmail.com github.com/Rostepher linkedin.com/in/Rostepher |
| OBJECTIVE | Seeking a 3 or 6 month co-op beginning in either Summer 2015 or Fall 2015. | |
| EDUCATION | Rochester Institute of Technology Major: B.S. Computer Science Expected Graduation: May 2017 | August 2012 - Present |
| TECHNICAL SKILLS | Proficient Languages: C, Java, Python, Ruby, Rust Farmiliar Languages: Haskell, JavaScript, Scheme, Standard ML Operating Systems: Linux (Arch and Debian based), Mac OS X Tools: Git, L ^A T _E X, Make, Regular Expressions, Vim | |
| PERSONAL PROJECTS | brainfuck <i>Optimizing Brainfuck Interpreter</i> | December 2014 - Present https://github.com/Rostepher/brainfuck |
| | 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. | |
| | libstrcmp <i>String Distance Metric C Library</i> | June 2014 - December 2014 https://github.com/Rostepher/libstrcmp |
| | An optimized C library dedicated to fast implementations of various string distance and phonetic metrics used in natural language processing and fuzzy string matching . | |
| | mget <i>Manga Scraping Ruby Utility</i> | June 2014 - Present https://github.com/Rostepher/mget |
| | A Ruby utility to scrape manga chapters from online sources and then packages each chapter in a cbz (comic book zip) archive. | |
| EXPERIENCE | Rochester Institute of Technology <i>Research Assistant</i> | February 2015 - Present https://mlton.org |
| | Learning about the general structure and implementation strategies of compilers. Implementing a general-purpose annotation system for the MLton compiler . | |
| | RockTenn <i>IT Intern</i> | July 2014 - August 2014 https://rocktenn.com |
| | Created a JavaScript extension for the BI tool QlikView. Wrote Python scripts to geocode addresses and insert data into the database. Used OpenLayers and Open Street Maps to plot points of interest. | |
| EXTRACURRICULAR CLUBS & ACTIVITIES | FOSS@MAGIC <i>Active Member</i> | https://magic.rit.edu/foss |
| | A group dedicated to Free and Open Source Software (FOSS) located inside the MAGIC Center, formerly the Innovation Center, that sponsors numerous projects, hackathons and meetings for like-minded students. | |
| | Computer Science House (CSH) <i>Alumni Memeber</i> | https://csh.rit.edu |
| | A special interest house with a focus on project-based education in the field of computer science and its related sub-fields. | |