

Ross M. Bayer

CONTACT INFORMATION	601 R Street, Apt 411 Lincoln, NE 68501 (757) 604-4736	ross.m.bayer@gmail.com github.com/Rostepher linkedin.com/in/Rostepher
OBJECTIVE	Seeking a semester co-op beginning 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, Finite Automata, 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	Hudl <i>Dev Tools Intern</i>	June 2015 - August 2015 https://hudl.com
	Intern with Hudl working on internal development tools.	
	Rochester Institute of Technology <i>Research Assistant</i>	February 2015 - May 2015 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.	