
CONTACT INFORMATION	Computer Science Department Tufts University 161 College Avenue Medford, MA 02155	857.206.1330 karl@cs.tufts.edu Tufts: https://www.eecs.tufts.edu/~karl/ Github: cronburg Citizenship: United States
DEGREES	2015 M.S. in Computer Science, Tufts University 2013 B.S. in Physics & Computer Science, Bucknell University	
RESEARCH INTERESTS	Debugging, systems verification, memory management	
LANGUAGES	Python: Primarily used for scripting in recent years (grad school). Used for astronomical data analysis in undergrad (numpy, scipy, matplotlib, pylab, etc.). C: Used heavily in research and coursework. Haskell: Used heavily in research and coursework. Java: Used moderately in research and coursework; more knowledgeable about the language itself and JVM implementations than its applications. L ^A T _E X: Conference papers, presentations, classwork. Limited exposure to: Bash, Ruby, C++, ML, Smalltalk, Lisp, μ scheme, Visual Basic, HTML, CSS, MySQL, PHP, Javascript.	
PROJECTS	Master's Thesis 2015: Debugging Memory Managers with Fine-Grained Memory Permissions Tufts Polyhack 2014: Shadow Memory Automatic Printf-Debugging in C Using Probabilistic Programming Languages to Model Game Heuristics DeckBuild: A Declarative Domain-Specific Language for Card Game Design Visual Geolocation Based Black and White Listing Dotfiles & Scripts	
TEACHING EXPERIENCE	Teaching assistant (Tufts): Operating Systems, Networks, Internet-Scale Distributed Systems Lab teaching assistant (Bucknell): Computer Architecture, Programming Languages, Intro to CS, Intro to Physics I & II Grader (Bucknell): Quantum Mechanics, Electronics, Intro to Physics I & II	
OPERATING SYSTEMS	Sept. 2015 - Present: Arch Linux (x86-64 machines, raspberry pi, pogo plug) Fall 2010 - Oct. 2015: Ubuntu / Debian (x86 machines, raspberry pi) 2005 - 2012: Windows	

REFERENCES

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