



# Daniel Scarafoni

*AI and HCI Researcher*

## Skills

- Experience with C++, C# and .NET, Ocaml, Scheme, Lisp, Ajax, Ruby, CSS, PHP, Prolog, JQuery, HTML5, Matlab, SQL, Ada, Haskell.
- Particular experience with in Java, C, C++, HTML (and HTML5) JavaScript, and Python.

## Education

- 2014–present **M.Sc. Machine Learning**, *University of Rochester*, Rochester, NY, *GPA: 3.77.*  
4 + 1 masters program, expected graduation spring 2015.
- 2011–2014 **B.S.**, *University of Rochester*, Rochester, NY, *GPA: 3.77.*  
Major: Computer Science, Cum Laude, Highest Distinction, Highest Research Honors, Dean's List all semesters.

## Experience

- 2013–2014 **Research Assistant under Professor Jeffrey Bigham**, *University of Rochester*, Rochester, NY.  
**Chorus group consensus project**  
Utilized crowd-sourced workers to discuss, propose, and vote on solutions to a given question utilizing a text-chat interface.
- 2013–2014 **Research Assistant under Professor Lenhart Schubert**, *University of Rochester*, Rochester, NY.  
**3D Reasoning in Natural Language Processing**  
Created Specialist program for Epilog natural language processing project.
- 2012–2014 **Research Assistant under Professor Jeffrey Bigham**, *University of Rochester*, Rochester, NY.  
**Shape Tester**  
Undergraduate leader for human computer interaction/AI project. Created versatile web game of cat and mouse, which is being used for crowd-sourcing/AI research (results awaiting publication). Designed and programmed multi-threaded Java socket server, HTML5/Javascript/PHP client, and Java client. Also built and designed artificial agents (in Java) to test program.

## Awards and Recognitions

- First Robotics Scholarship**
- Golden Key International Honors Society** *Offered to top 15% of students in class.*
- Portable Research Grant**
- Donald M. Barnard Prize** *research funding granted for outstanding academic achievement*
- 2014 Undergraduate Research Symposium Professor's Choice Award**
- HackNY Spring 2014: Best Commandline Interface**

## Independent Projects and Activities

- Developed web-crawler to monitor Reddit content using HTML, Javascript, Ajax, and PHP.
- Created slew of non-malicious prank programs for entertainment including: fork bomb in C, file generator bomb in Java and shell script, and a shell script to open up humorous websites at random.
- Martial arts practitioner: 4th kyu Shotokan Karate, practice Krav Maga and Thai Boxing.

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