

RYO LEO AKASAKA

500 College Avenue, Swarthmore, PA 19081 · (484) 238-6035 · akasaka@gmail.com

EDUCATION

Swarthmore College · Swarthmore, PA Expected graduation: May 2009
Candidate for Bachelor of Science in Engineering, Bachelor of Arts in Linguistics
Cumulative GPA: 3.72

Relevant Coursework Natural Language Processing · Communication Systems · Data Structures
and Algorithms · Electrical Circuit Applications · Linear Physical Systems Analysis · Digital Signal
Processing · Electromagnetic Theory

Ecole Active Bilingue · Paris, France
International Baccalaureate graduate with honors, May 2005

WORK EXPERIENCE

Swarthmore College Information Technology Services September 2008 - current
Student Assistant

- Provided help and instruction in video and audio editing software for other students.
- Responsible for large format printing, scanning and image publishing.

Bossone Research Center, Drexel University January 2008, June - August 2008
Research Intern

- Researched individual phoneme extraction and speaker identification using TIMIT corpus.
- Applied HMM tools to automatically recognize speech from accented speakers.
- Developed game to facilitate foreign accented English speech transcription using Facebook.

Swarthmore IEEE Chapter September 2007 - current
Chapter President

- Led electrical engineering students with weekly meetings to organize projects and invite speakers.
- Organized annual Appliance Day to repair broken appliances furnished by the community.
- Redesigned chapter website to increase presence and doubled membership over the course of a year.

Lang Center for Civic and Social Responsibility January 2008 - April 2008
Instructor

- Initiated and instructed a web design course, the first of its kind on campus.
- Taught core concepts of XHTML code and graphic design using Photoshop for nine weeks to ten students.
- Results of student final projects include www.nolarize.com and www.darfurradioproject.org

Swarthmore College Department of Linguistics September 2006 - June 2007
Endangered Languages Lab Research Assistant

- Digitally archived the recordings and fieldwork of Dr. K. David Harrison.
- Developed and designed online audio dictionaries for Tuvan and Siletz languages.

Swarthmore Fire and Protective Association September 2005 - current
Firefighter-EMT

- Certified as Pennsylvania state emergency medical technician and nationally qualified firefighter.
- Obtained 500 total hours of training and recognized as among the most volunteered at the company.
- Given the responsibility of managing alert systems and pagers for company personnel.

SKILLS

- Speaks Japanese and French as a native, conversational Portuguese.
- Programming languages: Python, Java, Perl, familiarity with Verilog, C.
- Web design: W3C compliant X/HTML, CSS, PHP/MySQL, AJAX, XML
- Platforms: Windows, Mac OS X/Leopard, Linux
- Programs: Matlab, Praat, Flash, Photoshop, Dreamweaver

ACHIEVEMENTS

- Member, Tau Beta Pi National Engineering Honor Society.
- Associate Member, Sigma Xi, The Scientific Research Society.
- Organizer and founder of annual International Weblogger's Day, June 14th.
- Challenged Guinness World Record for traveling all subway stations in Paris during summer of 2005.

REFERENCES

Prof. Erik Cheever

Professor and Chair, Department of Engineering
erik.cheever@swarthmore.edu

Hicks 202, 500 College Avenue
Swarthmore, PA 19081
Phone: (610) 328-8076

Dr. Youngmoo Kim

Assistant Professor, Electrical & Computer Engineering, Drexel University
ykim@drexel.edu

Bossone Research Center, 413d
3128 Market St., Philadelphia, PA 19104
Phone: (215) 895-5973

Bob Jones

Fire Company Chief, Swarthmore Fire and Protective Association
rej57@yahoo.com

121 Park Avenue
Swarthmore, PA 19081
Phone: (610) 842-5873