

KEEN YUUN SUNG

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EDUCATION

University of Massachusetts *Amherst, MA*
Ph.D. candidate in Computer Science (M.S. obtained February 2014)
Advised by Brian Levine

University of Alberta *Edmonton, Canada*
Bachelor of Science in Computer Science with Honors obtained June 2011
Additional coursework in neuroscience and psychology

WORK EXPERIENCE

Qualcomm June 2016 – September 2016
Interim Engineering Intern *Santa Clara, CA*

- Mobile security research at Qualcomm R&D in Santa Clara

Tyco July 2014 – August 2014
Data Analytics Intern *Westford, MA*

- Developed algorithms to elucidate user behavioral patterns and anomalies from access control data

University of Massachusetts September 2011 – Present
Graduate Assistant *Amherst, MA*

- Research assistant in the Digital Forensics Lab, identifying privacy exploits in mobile communication
- Teaching assistant for courses in computer literacy, data structures, and software engineering

MedIT — University of Alberta May 2011 – August 2012
Software Developer *Edmonton, Canada*

- Developed a mobile quiz application that is currently used by medical students at the U of A

Dept. of Computer Science — University of Alberta May 2011 – August 2011
Summer Researcher — Brain Tumor Analysis Project *Edmonton, Canada*

- Used machine learning algorithms to predict tumor growth and prognoses from MRI and CT scans

Dept. of Psychiatry — University of Alberta February 2008 – August 2010
Research Assistant — SCOPE Neuroscience Lab *Edmonton, Canada*

- Designed, implemented, and reported on functional MRI studies of emotion and cognition in humans

PUBLICATIONS

Turning Off GPS is Not Enough: Cellular location leaks over the Internet

Hamed Soroush, Keen Sung, Erik Learned-Miller, Brian Levine, and Marc Liberatore

In *Privacy Enhancing Technologies Symposium 2013*.

The power of a handshake: Neural correlates of evaluative judgements in observed social interactions

Sanda Dolcos, Keen Sung, Jennifer Argo, Sophie Flor-Henry, and Florin Dolcos

In *Journal of Cognitive Neuroscience 2012*.

Brain imaging investigation of the neural correlates of emotion regulation

Sanda Dolcos, Keen Sung, Ekaterina Denkova, Roger Dixon, and Florin Dolcos

In *Journal of Visualized Experiments 2011*.

Brain imaging investigation of the neural correlates of observing virtual social interactions

Keen Sung, Sanda Dolcos, Sophie Flor-Henry, Crystal Zhou, Claudia Gasior, Jennifer Argo, and Florin Dolcos

In *Journal of Visualized Experiments 2011*.

The impact of anxiety-inducing distraction on cognitive performance: a combined brain imaging and personality investigation

Ekaterina Denkova, Gloria Wong, Sanda Dolcos, Keen Sung, Lihong Wang, Nicholas Coupland, and Florin Dolcos

In *PLOS ONE 2010*.

WORKSHOP PAPERS

Location Privacy without Carrier Cooperation

Keen Sung, Brian Levine, Marc Liberatore

In *IEEE Workshop on Mobile System Technologies 2014*.

AWARDS

PETS Travel Grant (2013)

University of Waterloo Entrance Scholarship (2011 — Declined)

Alberta Heritage Foundation Medical Research Summer Studentship (2009)

Jason Lang Scholarship (2008–2010)

International Baccalaureate Scholarship (2007)

Academic Excellence Scholarship (2007)

TECHNICAL STRENGTHS

Data Analysis

Python/SciPy, MATLAB, R

Web Development

JSP, JavaScript, node.js, PHP, Apache HTTP/Tomcat, AWS

Databases

DB2, MySQL, PostgreSQL

Software Development

Java, C++

Markup

HTML/CSS, L^AT_EX