

Gudmundur D. Haraldsson

Curriculum Vitae

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Personal information

- Name: Gudmundur Dadi Haraldsson
- Date of birth: November 19th, 1982
- Citizenship: Icelandic
- Address: SW9, London, United Kingdom
- Can live and work indefinitely in the European Union and European Economic Area without specific permits

Summary

Icelander with twenty years of computer experience, relocated to the United Kingdom in search of new adventures. Fifteen years of programming experience, much of it web-related, but also low-level programming. Psychology education, with hands-on research experience. Considerable writing experience. Inquisitive, analytical, searching for interesting projects and people.

University Education

- MSc Cognitive and Decision Sciences, University College London, 2014-2015
 - Title of thesis: A Subtle Reminder Does Not Cause Updating of Episodic Memories. Advisor: David Shanks.
 - The MSc explores general principles of cognition, rational choice, learning and memory, as well as applications in economics and business. The core assumption is that human cognition is a computational processes, implemented in neural hardware.
- Psychology, BS (Hons), University of Iceland, 2006-2010 (180 ECTS)
 - Title of thesis: The word-length effect in Icelandic in light of Baddeley's theory of working memory. Advisor: Jörgen L. Pind.

Employment

- **University of Iceland, The Icelandic Web of Science**, June 2007- (Webmaster, programming and database management, security)
- **Kosmos & Kaos ehf.**, May 2011-June 2014 (Head software developer)
Head software developer, oversaw all IT operations, planned future IT solutions for the company. Internal Drupal specialist, focusing on back-end programming, problem-solving as well as optimization and running of several custom servers.

- **Krítík Helgarblað**, February 2010-February 2011 (Software Developer)
- **University of Iceland**, Department of Nursing, June 2010-August 2010 (Research assistant)
Calculations on the frequency of interruptions in nursing; created tables, graphs.
- **University of Iceland**, Department of Psychology, January 2010-May 2010 (Teaching assistant)
Assisted with teaching in a course on sensation and perception.
- **University of Iceland**, Department of psychology, June 2009-August 2009 (Research assistant; Programming, E-Prime, statistics)
- **FRISK Software International**, October 2004-August 2006 (Software Developer)
- **Tölvun ehf.**, Westman Islands, 2001-2004 (System administrator and programmer)

Interests and knowledge

- Languages: Icelandic (native), English (full professional proficiency).
- More than twenty years of experience with computers. Programming experience lasting fifteen years, professional experience lasting more than a decade. Experience includes:
 - Programming experience: Python, PHP, C, Perl, R, JavaScript, E-Prime (VisualBasic), Pascal, shell scripts.
 - Operating systems: Linux, Windows, MS-DOS.
 - Databases: MySQL, SQLite, PostgreSQL, Microsoft SQL.
 - Content Management Systems/Frameworks: Django, Drupal (module development, optimization), WordPress, Smarty.
 - Automated testing & deployment: Selenium, Behat, Mink, Jenkins.
 - Virtualization systems: Virtualbox, Docker
 - Support systems: Consul, BIND
 - Also: Bitcoin, Apache, Monotone, git, SVN, GlusterFS, Sendmail, Samba, Cygwin, GnuPG, PGP, OTR.
 - Typesetting: LaTeX.
- Statistics / methodology: Excellent knowledge of statistics and methodology. Much experience with SPSS and R.

Projects (selection)

- Kosmos & Kaos ehf, 2011-2014
 - Description: Head software developer, internal Drupal specialist.
 - Participated in most company projects, including:
 - * www.harpa.is: Harpa is a major concert hall and conference centre in Reykjavík which opened in 2011.
 - Created event system, to be made open-source and designed to be distributed, allowing different agents to synchronize events between their systems, and thus to be shared.
 - Worked on presentation of data on the site, such as displaying of events on special sub-pages and presentation of news. Also moved data from older CMS to the current.

- * www.hhi.is: State lottery, funding buildings for the University of Iceland.
 - Worked on a custom-module which pulls data from webservice, which is then displayed on various sub-pages. Wrote the subscription-part of the page in total, which also communicates with the same webservice, as well as a credit-card payment webservice. Did work on custom-caching mechanisms, which purge data on custom intervals and events.
- * www.or.is: Reykjavík public utility, providing electricity, geothermal water for heating, and cold water.
 - Set up various forms (transferral, contact) and synchronization of submitted data for those forms to a back-end SOAP webservice. Also set up servers and managed deployment. Much of this work was done client-side.
- The Icelandic Web of Science, 2007-
 - Description: Major recoding of the website; twice deployed new look for the site; maintenance and coding of addons.
 - Tools used: PHP, APC, Smarty, MySQL, Apache, monotone
 - Link: www.visindavefur.is
- [ozzylib](http://ozzylib.com), 2002-2006
 - Description: Library containing various useful socket, string, and logging-related functions.
 - Tools used: make, gcc
 - Link: <https://notendur.hi.is/gdh1/code/ozzylib-20041107.tar.gz>
- [spamass-pop3](http://spamass-pop3.com), 2004
 - Description: A command-line program, written to clean mailboxes of unwanted junk-mail. Users can run the program and it will remove junk-mail from their inboxes according to criteria.
 - Tools used: make, gcc, SpamAssassin
 - Link: <https://notendur.hi.is/gdh1/code/spamass-pop3-0.3.tar.gz>
- [urridafoss](http://urridafoss.com), 2003-2004
 - Description: Milter-based tool, which works with Sendmail, to either remove or tag junk-mail while in transmission by mailserver to user's inbox.
 - Tools used: make, gcc, milter, SpamAssassin
 - Link: <https://notendur.hi.is/gdh1/code/urridafoss-0.14.0pre2.tar.gz>
- Other open-source projects on GitHub as well (<https://github.com/gudmdharalds/>)

References

- Kristján Gunnarsson, CEO, Kosmos & Kaos ehf. E-mail: stjani@kosmosogkaos.is. Phone: +354-869-7322
- Jón G. Þorsteinsson, editor, The Icelandic Web of Science. E-mail: jongth@hi.is. Phone: +354-525-4765.

Writings (selection)

- Academic publications:
 - Haraldsson, G. D. & Pind, J. L (2010). [The word-length effect in Icelandic] Orðlengdarhrifin í íslensku. *Sálfræðiritið. Tímarit sálfræðingafélags Íslands*. Supplement 1.
- For the public:

- Haraldsson, G. D. (2011). [Who was Sigmund Freud, what were his theories on the human mind and what is their value in modern times?] Hver var Sigmund Freud, hverjar eru kenningar hans um mannshugann og hvert er gildi þeirra í dag? *The Icelandic Web of Science* (www.visindavefur.is/?id=7599)
- Haraldsson, G. D. (2011). [Næturvaktin, psychoanalysis, treatment, Freud and psychology: Some remarks] Næturvaktin, sálgreining, meðferð, Freud og sálfræði: nokkrar athugasemdir. *Tímarit máls og menningar*, 72(4), 109-117.