CV

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PERSONAL DETAILS

Born January 10, 1986, Reykjavik Iceland. Icelandic Citizenship. B.Sc and M.Sc Computer Science from Reykjavík University. Married to Thelma Björk Wilson, Icelandic and Canadian Citizenship. B.Sc Civil and Environmental Engineering, M.Sc. Engineering Management. We currently live in Reykjavik, Iceland with our son Mark Leo Wilson Hlynsson, born 15 March 2016.

WORK EXPERIENCE

2017 — current. *Gangverk*[1]. Senior developer, software architect, web discipline lead, data discipline lead, team lead. Working with Sotheby's[2] on digital products related to online auctions and e-commerce.

2016 — 2017. *Kolibri*[3]. Senior Developer. Working with *Iceland Travel*[4] on various e-commerce products.

2015 — 2016. *Plain Vanilla Games*. Senior Developer. Working on various aspects of the trivia game QuizUp and the QuizUp social network.

2012 — 2015. *Gagnavarslan (Azazo)*. Senior Developer. Working on various aspects of CoreData (SaaS document storage system). Data pipelines and data migrations.

2010 — 2010. *Reykjavík Univeristy*[5]. Graduate students - Independent study. Project: "Daemonizing and enhancing IceNLP for the purpose of machine translation.". Supervisor: Dr. Hrafn Loftsson. 2009 — 2012. *Samskip Holding B.V*[6]. Software Developer. Working on internal applications and solutions related to BI.

2008 — 2008. (Summer). *Landsbanki Íslands*[7]. Software developer.

2007 — 2007 (Summer). *Samskip Holding B.V*. Help desk technician.

EDUCATION

M.Sc., Computer Science, Reykjavík University. Thesis title, "PhotoCube: A Multi-Dimensional Image Browser". Supervisor, Dr. Björn Þór Jónsson. 2011.

B.Sc., Computer Science, Reykjavík University. Report title, "Using IceNLP in Computer-Assisted Language Learning". Supervisor, Dr. Hrafn Loftsson. 2009.

TEACHING

2020 - spring: Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.

- "Golden Gate". Bryndís Charlotte Sturludóttir, Petra Kristín Frantz. Project collaborator: NetApp. Instructor.

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[1] http://gangverk.is
[2] https://www.sothebys.com
[3] https://www.kolibri.is/
[4] https://www.icelandtravel.is/
[5] https://ru.is
[6] https://samskip.com
[7] https://www.landsbankinn.is/

- "Vitco'. Gunnar Jörgen Viggósson, Haraldur Björnsson. Project collaborator: Videntifier, Moral Sentiments. Inspector.

2019 - spring: Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.
- "Hljóðrit.is". Hreiðar Ólafur Arnarsson, Héðinn Grétar Hendriksson, Jón Ingvar Karlsson Brune. Project collaborator: SFH. Instructor.
- "Vessel Monitoring System - Map Implementation". Ólafur Karl Stefánsson, Björn Þórsson. Project collaborator: Trakcwell. Instructor.
- "Using SARSA with function approximation to create policies for MCTS". Dagmar Lukka Loftsdóttir, Hera Hjaltadóttir, Valgarður Ragnheiðar Ívarsson. Research Bachelor of Science (B.Sc.). Inspector.
- "AGR System Monitor". Arnar Ingi Halldórsson, Jóhann Ívar Björnsson, Sveinn Björnsson. collaborator: AGR Dynamics. Inspector.

2016 - spring: Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.
- "Receptor". Steinunn Marta Friðriksdóttir, Svava Dögg Björgvinsdóttir, Sveinbjörn Guðjohnsen. Project collaborator: Applicon. Instructor.
- "Launráður - Launagreining skv jafnlaunastaðli". Einar Logi Hreinsson, Pétur Bergmann Halldórsson, Vignir Karl Gylfason. Project collaborator: GBS Ráðgjöf. Instructor.
- "VR Casual Flyby". Björgvin Brynjarsson, Björn Ingi Baldvinsson, Daníel Jóhannsson, Kristján Ingi Einarsson. Project collaborator: Cosmosis Games. Instructor.
- "Rauntímaeftirlit með bensínstöðvum". Arnar Dóri Ásgeirsson, Ásgeir Daði Þórisson, Hafþór Snær Þórsson, Sigurður Már Atlason. Project collaborator: LS Retail. Examiner.
- "User analytics and customer support tools for STARBORNE". Arnar Kári Ágústsson, Árni Benedikt Árnason, Daníel Benediktsson, Jón Freysteinn Jónsson, Jörundur Jörundsson. Project collaborator: Solid Clouds. Examiner.
- "TravAble". Birgir Þór Óskarsson, Jóhann Gíslason, Þórhildur Guðný Sigþórsdóttir. Project collaborator TravAble. Examiner.

2015 - fall: Web services (T-514-VEFT). Teacher at Reykjavik University. Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.
- "Strætó bs. app fyrir Windows 10". Ásgeir Atlason, Georg Styrmir Rúnarsson. Project collaborator: Strætó, Stokkur ehf. Instructor.
- "Project Discovery for EVE Online". Hjalti Leifsson, Jóhann Örn Bjarkason. Project collaborator: CCP Games, MMOS sárl og CADIA. Instructor.
- "Classy network". Karítas Ólafsdóttir, Sveinn Dal Björnsson. Project collaborator: Jökulá. Inspector.
- "Vitinn". Daníel Agnarsson, Friðrik Valdimarsson. Project collaborator: Tollstjóraembættið, SFS, Matís. Inspector.

2015 - spring: Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.

- "Vegabréfaumsóknir Advania". http://skemman.is/item/view/1946/22165. Guð-mundur Stefánsson, Guðni Aðalsteinn Þrastarson. Advania. Project collaborator: Advania. Instructor.
- "Thrifter". http://skemman.is/en/item/view/1946/22799. Ari Freyr Ásgeirs-son, Ívar Oddsson, Sigursteinn Bjarni Húbertsson, Valgeir Björnsson, Ævar Ísak Ástþórsson. Instructor.
- "Tempo Mobile". http://skemman.is/handle/1946/23255. Árni Fannar Þráins-son, Gunnar Smári Agnarsson, Sindri Sigurjónsson, Theodór Tómas Theodórs-son. Project collaborator: Tempo. Instructor.
- "Birdie". http://skemman.is/handle/1946/22126. Alexander Baldvin Sigurðs-son, Arnór Ýmir Guðjónsson, Matthías Sigurðsson. Examiner.
- "Stoðkerfi fyrir námsleiki". http://skemman.is/handle/1946/22139. Anton Hilmarsson, Bergsteinn Karlsson, Hilmar Geir Eiðsson, Jón Helgi Jónsson, Jörun-dur Kristinsson, Sigrún Arna Sigurðardóttir. Project collaborator: Costner Games. Examiner.
- "Fanaments App". http://skemman.is/handle/1946/22134. Davíð Hafþór Kristins-son, Natan Örn Ólafsson. Project collaborator: Fanaments. Examiner.

2014 - summer: Instructor UROP project at Reykjavik University ((T-622-UROP)), project report title "SugerApp - Android application for diabetes". Evaluated as B.Sc final project.

Supervisor UROP project at Reykjavik University (T-622-UROP), project report title "FocusVer". Evaluated as B.Sc final project.

2014 - fall: UROP project instructor (T-622-UROP) at Reykjavik University. Kári Tristan Helgason, Björn Orri Sæmundsson, Starkaður Hróbjartsson. Report title "MySchool app for IOS with Swift".

Supervisor UROP project at Reykjavik University, project report title "MySchool app for IOS with Swift".

Web services (T-514-VEFT). Teacher at Reykjavik University. Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.
- "Case Request On-line". http://hdl.handle.net/1946/23250. Jón Heiðar Er-lendsson, Ragnar Ómarsson. Project collaborator: Annata. Instructor.
- "Marvin: Deployment system for CoreData". http://skemman.is/handle/1946/23244. Sigurður Rúnar Helgason, Marinó Fannar Pálsson, Gadidjah Margrét Ögmunds-dóttir. Project collaborator: Azazo. Instructor.
- "CESAR - Stundatöflugerðar kerfi fyrir HR". http://skemman.is/handle/1946/23249. Einar Þór Traustason, Margrét S. Kristjánsdóttir. Examiner.
- "Evert". http://hdl.handle.net/1946/23245. Hulda Lárusdóttir, Hildur An-drjesdóttir, Ólafur Ómarsson. Examiner.

2014 - spring: M.Sc. Thesis Committee. Áslaug Eiríksdóttir (30 ECTS, supervised by Dr. Yngvi Björnsson), Reykjavik University, June 2014. Thesis title "The Software Adoption Process Seen Through System Logs".

Practical Project (T-205-VERK), instructor in a three week undergraduate project for Computer Science students – second semester.

Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.

- "Heilsan mín í raun og veru". http://skemman.is/handle/1946/21018. Guðleif Harðardóttir, Ingvar Sigurðsson, Jóhannes Gunnar Heiðarsson, Jón Atli Baldvinsson, Kristján Broder Lund. Project collaborator: Tm Software. Instructor.

- "Ársreikningar á netinu". http://skemman.is/handle/1946/21098. Carsten Petersen, Róbert Gunnarsson, Sigurrós Soffía Kristinsdóttir. Project collaborator: Kóði ehf. Instructor.

- "Rental Inspector smáforrit fyrir Windows 8.1". http://hdl.handle.net/1946/21023. Halldór Vilhjálmsson, Sindri Már Sigfússon, Sverrir Snævar Jónsson. Project collaborator: Annata. Examiner.

- "Leiksýningar á Íslandi". http://hdl.handle.net/1946/20997. Eyjólfur Kristjánsson, Kristján Guðjónsson, Steindór Grétar Kristinsson. Project collaborator: Leikminjasafn Íslands. Examiner.

2013 - fall: Computer Graphics (T-511-TGRA), Teacher assistant at Reykjavik University with Kári Halldórsson. Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.

- "Gas Teddy Bear Bobo", http://skemman.is/handle/1946/17247. Arnar Þór Úlfarsson, Björn Heiðar Rúnarsson, Bjarki Dagsson. Project collaborator: Entrio ehf. Instructor.

- "Minotour". Project collaborator: TM Software. Instructor.

- "Farandlausnir fyrir snjallsíma - Windows". Project collaborator: Unimaze ehf. Examiner.

- "Farandlausnir fyrir snjallsíma - Android". Project collaborator: Unimaze ehf. Examiner.

2013 - spring: Web Programming (T-213-VEFF), Teacher at Reykjavik University. Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.

- "mPOS for iOS". http://skemman.is/handle/1946/16277. Ragnar Jóhannsson, Jón Hilmar Gústafsson. Project collaborator: Handpoint. Instructor.

- "Námsefnishluti í nemenda/kennaravef Innu", http://skemman.is/handle/1946/16271. Andri Björn Ólafsson, Björn Þorsteinsson, Hlynur Sigurðsson, Kristborg Anna Ámundadóttir, Olga Rún Kristjánsdóttir. Project collaborator: Advania. Examiner.

2012 - fall: Computer Graphics (T-511-TGRA), Teacher assistant at Reykjavík University with Kári Halldórsson. Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.

- 'Mótakerfi fyrir Frjálsíþróttasamband Íslands', http://skemman.is/handle/1946/14148. Magnús Skúlason, Guðni Þór Guðnason. Project collaborator: FRÍ. Instructor.

- "Leikir.is. Vefsíða fyrir tölvuleiki". http://skemman.is/handle/1946/16819. Malte Bjarki Mohrmann, Snorri Örn Daníelsson, Tryggvi Geir Magnússon. Project collaborator: D3 Miðlar. Examiner.

2012 - spring: Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.

- "MB-System". `http://skemman.is/en/item/view/1946/14078`. Frans Veigar Garðarsson, Finnur Kolbeinsson, Jón Rúnar Arnarsson, Ólína Björg Þorsteinsdóttir. Project collaborator: Mentor. Instructor.

- "Aerarium", `http://skemman.is/handle/1946/14085`. Axel Axelsson, Ásgeir Jónasson, Kristján Oddsson, Óskar Ómarsson. Project collaborator: Arion Banki. Instructor.

- "Tónlistargagnagrunnurinn - islensktonlist.is'. `http://skemman.is/handle/1946/15201`. Arnþór Snær Sævarsson, Einar Valur Aðalsteinsson, Hilmar Kári Hallbjörnsson. Examiner.

- "Litgreining í Android". Edward Alexander Eiríksson, Jón Friðrik Sigurðarson Viðar Friðriksson, Þorsteinn Þorvaldsson. Examiner.

2011 - fall Assistant developer in M.Sc. final project at Reykjavik University. Thesis title "A Face Recognition Plug-in for the PhotoCube Browser.". `http://www.ru.is/media/td-msc-`

2011 - spring: Computer Science B.Sc final projects (T-404-LOKA) at Reykjavik University. Instructor and examiner in following projects.

- "F-Prot GUI". `http://skemman.is/handle/1946/9147`. Andrés Ævar Grétarsson, Þórður Gunnarsson, Gunnar Tómas Gunnarsson, Haukur Jónasson. Instructor.

- "Marorka Mobile Portal". `http://skemman.is/handle/1946/9135`. Einar Þorgeirsson, Bjarni Davíð Guðmundsson, Arnar Ólafsson. Project collaborator: Marorka. Instructor.

- "Instant Game for Facebook and Mobile". `http://skemman.is/handle/1946/9188`. Ásgeir Einarsson, Bergur Páll Gylfason, Daði Magnússon, Vignir Jónsson. Project collaborator: Betware. Examiner.

- "Meðhöndlun viðvarana frá símstöðvum". `http://skemman.is/handle/1946/9086`. Davíð Halldór Lúðvíksson, Gunnlaugur Sigurðsson. Project collaborator: Síminn. Examiner.

PUBLICATIONS Björn Þór Jónsson, Grímur Tómasson, Hlynur Sigurþórsson, Áslaug Eiríksdóttir, Laurent Amsaleg, Marta Kristín Lárusdóttir. A Multi-Dimensional Data Model for Personal Photo Browsing. In International Conference on MultiMedia Modeling (MMM), Sydney, Australia, January, 2015.

Björn Þór Jónsson, Áslaug Eiríksdóttir, Ólafur Waage, Grímur Tómasson, Hlynur Sigurþórsson, Laurent Amsaleg. M3 + P3 + O3 = Multi-D Photo Browsing. In 20th Anniversary International Conference on MultiMedia Modeling (MMM), Dublin, Ireland, January, 2014.

Grímur Tómasson, Hlynur Sigurþórsson, Kristján Rúnarsson, Gísli Kristján Ólafsson, Björn Þór Jónsson, Laurent Amsaleg. Using PhotoCube as an Extensible Demonstration Platform for Advanced Image Analysis Techniques (demonstration paper). In Tenth International Workshop on Content-Based Multimedia Indexing (CBMI), Annecy, France, June, 2012.

Grímur Tómasson, Hlynur Sigurþórsson, Björn Þór Jónsson, Laurent Amsaleg. PhotoCube: Effective and Efficient Multi-Dimensional Browsing of Personal Photo Collections (demonstration paper). In ACM International Conference on Multimedia Retrieval (ICMR), Trento, Italy, April, 2011.

Martha Dís Brandt, Hrafn Loftsson, Hlynur Sigurþórsson and Francis M. Tyers. 2011. Apertium-IceNLP: A rule-based Icelandic to English machine translation system. In Proceedings of the 15th Annual Conference of the European Association for Machine Translation (EAMT-2011). Leuven, Belgium.

GUEST LECTURES

"Writing Type-safe JavaScript with BuckleScript". Guest Lecturer at Reykjavík University in the course "Web Development II (T-427-WEPO)", 2019.

"Distributed Version Control Systems and Git". Introductionary lecture on Git and the Git workflow at Íslandsbanki, 2016.

"Git Version control". Guest speaker in the course T-303-HUGB Software engineering at Reykjavík University. 2013, 2014, 2015.

"The power of the shell". Guest lecturer for the course Scripting and Linux Admin (T-426-SCLI). Topic: Interactive session in configuring web servers using Apache, MySQL, PostgreSQL, Python and PHP. 2012.

"The power of the shell". Guest lecturer for the course T-303-HUGB Software Engineering. Interactive tutorial in a Linux shell and Git. 2012.

GRANTS AND HONORS

The PhotoCube Image Browser (Student Innovation Fund Grant) with Grímur Tómasson and Björn Þór Jónsson. 2013.

Reykjavík University, Dean's List of Distinguished Students. 2006.

Joint 2nd place in the Best Demonstration Competition of MMM 2014.