Dougal Graham

Developer Slash Linguist

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Education

Memorial University of Newfoundland   (2008)
Master's in Computational Linguistics - Finite-state Parsing of Cayuga Morphology

Memorial University of Newfoundland   (2005)
Bachelor's Degree in Linguistics, minor in German

Experience

Type-Thai Developer/Creator
Type-Thai [http://www.type-thai.net]

From: Dec. 2011
To: Present

Developed a Thai Typing program that transliterates romanized Thai into standard Thai orthography.

Key Skills: Objective-C, Finite-State Programming, Thai, Yii, jQuery, Morphological Analysis, and PHP.

Information and Communications Technology (ICT) Teacher
Bright Futures International Training and Services

From: Aug. 2011
To: Present

Taught English ICT including the use of MS Excel, Powerpoint, Word, Access, and Adobe Photoshop, as well as Macromedia Dreamweaver to Mattayom 1-3 students at Triamudom Ratchada and Wat Khema Phirataram schools as part of their international program.

Key Skills: MS Office, Photoshop, Dreamweaver, Lesson planning, and Classroom management.

Web Developer
Nagano JETs Lesson Repository [http://lessons.tfiaa.com]

From: Jan. 2011
To: Present

Noting the wasted paper and disorganization of the systems for teachers to share lesson plans with each other I proposed and developed a website to allow teachers to upload, share and comment on each other's lesson plans, saving paper and making the teaching process simpler for all teachers in Nagano.

Key Skills: Wordpress, CSS, Lighttpd, PHP, and MySQL.

Primary HP ServiceCenter Developer
Syncrude Canada Ltd.

From: Jan. 2008
To: Jul. 2008

Created an Absence Delegation module that automated the complex task of delegating administrative roles and abilities. This saved IT staff from unnecessary, time-consuming work.

Key Skills: HP ServiceCenter, and Scripting.

Web Developer
Memorial University

Updated and maintained a PHP based website [http://innu-aimun.ca] and performed translations for the aboriginal language centre at Memorial University of Newfoundland. (CURA Grant #203838-40119-63023-2000)

Key Skills: HTML, CSS, and JavaScript.

Web Developer
World Association of Marching Show Bands [http://www.wamsb.org]

From: May 2004
To: Apr. 2009

Developed new functionality for comprehensive content managers for four websites using PHP and MySQL. As scoring organizer, participated in the 2005 World Marching Show Band Championships in Taubaté, Brasil.

Key Skills: HTML, CSS, MySQL, JavaScript, PHP, and OOP.

From: Jun. 2007
To: Aug. 2007

Finite-state Programmer
Memorial University

As part of a GradSWEP (Graduate Student Work Experience Program) grant, implemented syllabification, stress, laryngeal metathesis and orthographical switching in the Cayuga Finite-state Morphological Parser I developed during my Master's programme.

Key Skills: Finite-State Programming, and Morphological Analysis.

Academic

Publications

Graham, Dougal, *An Investigation of Canadian Raising among Students in St. John's* in Memorial University of Newfoundland Occasional Student Papers [http://www.mun.ca/linguistics/MLWPL/] , vol. 1, pp 8-18, 2008

Graham, Dougal. *Finite-state Parsing of Cayuga Morphology.* MA thesis, Memorial University, St. John's, NL, 2008

Graham, Dougal. *A finite-state approach to morphological segmentation of Cayuga nominals*, in Proceedings of WSCLA XII: The Twelfth Workshop on the Structure and Constituency in the Languages of the Americas, UBCWPL 21, pp 60-71, March, 2008

Conferences

Morphological Parsing of Cayuga in a Finite-state Framework

The 12th Annual Workshop on the Structure and Constituency in the Languages of the Americas (WSCLA 12), University of Lethbridge, March 30th – April 1st, 2007

Awards, Honors, & Diplomas

Fellow of the School of Graduate Studies, MUN	(2007)
Graduate Research Integrity Program, MUN	(2007)
Completed the Graduate Program in Teaching, MUN	(2006)
Completed the Teaching Opportunities for Graduate Assistants Program, MUN	(2006)