

NATALIA YOUNGER

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EDUCATION

- 2015 B.A.Sc in Engineering Science, University of Toronto, Toronto, Ontario, Canada
Major in Engineering Science, Nanotechnology Option (in progress)
Senior Thesis: *Handwriting Recognition for Egyptian Hieroglyphs*
Thesis Advisor: Dr. Anthony Bonner
- 2009 A.B. *cum laude*, Harvard College, Cambridge, Massachusetts, USA
Joint Concentration in Archaeology and Linguistics
Senior Thesis: *Representations of Pottery in Ancient Egyptian Hieroglyphs*
Thesis Advisors: Dr. Denise Doxey, Dr. Marc Zender, Dr. Jay Jasanoff
- 2005 Humber College, Toronto, Ontario, Canada
French Immersion Program
High School Graduation Diploma & Certificate of Bilingual Studies in French Immersion

LANGUAGES

Fluent: English, French, Ukrainian
Reading: German
Classical: Latin, Greek, Middle Egyptian

SOFTWARE

Programming Languages: Python, C, Assembly, HTML, CSS, Javascript
IDEs: Pycharm, Code::Blocks, Nios II, Eclipse
Math/Statistics: Matlab, R
Web Development: Drupal
Office: MS Office/Open Office, Adobe Photoshop
OS: Windows, Linux

RESEARCH INTERESTS

- Archaeometallurgy of the Ancient Near East
- Digital conversion of Egyptian Hieroglyphic corpus
- Geo-climatic history of the Ancient Near East (and its impact on habitation patterns)

WORK IN PROGRESS

- “Hieroglyphic determinatives as a theory of mind” – an extension of my thesis results
- OCR tool for Erman & Grapow’s *Wörterbuch der ägyptischen Sprache*
- Responsive conversion and modernization of Footwork Consulting Inc. website (footwork.com)

SELECT COMPLETED PROJECTS

- Circuitry for robot to sort and package dowels for AER201
- Improved Binary Search Tree to index text documents (built in C)
- Composition analysis of ancient ceramics using Germanium Detector

EMPLOYMENT HISTORY

2014	TEACHING ASSISTANT, Toronto, Ontario, Canada University of Toronto ESC203 Engineering, Society and Critical Thinking – Leading Weekly Seminars, Grading Students’ Essays, and Other Written Work
2010-2014	TUTORING, Toronto, Ontario, Canada Independent Tutoring in Math, English, French and Test-Prep for Elementary, High School, and University Students
2013-2014	LOGIN EDUCATION INC, Toronto, Ontario, Canada Test-Prep Tutoring for High School and University Students
2013-2014	PREP ACADEMY TUTORS, Toronto, Ontario, Canada Tutoring in Math, French and Test-Prep for Elementary and High School Students
2013	COGNITION PREP, Toronto, Ontario, Canada Test-Prep Tutoring in SAT, ACT
2011-2013	IVY GLOBAL, Toronto, Ontario, Canada Test-Prep Tutoring in SAT, SSAT
2010	ULIFE ACADEMICS, Toronto, Ontario, Canada Tutoring University of Toronto Students in Economics and Anthropology
2010	COURSE GRADER, Toronto, Ontario, Canada Glendon at York University Courses in Mathematical Statistics ECON 3670 and The Economics of the Multinational Firm ECON 3620 – Grading Students’ Problem Sets, Essays, and Exams
2009-2010	ASSISTANT ETRANGER DE L’ANGLAIS (English Teacher) Ministère de l’éducation nationale Académie de Versailles Ecole Joliot Curie, and Ecole Maurice Thorez Bagneux, Ile-de-France, France

- Taught English to thirteen classes of elementary students ranging in age from six to twelve
- 2007 HARVARD UNIVERSITY, el-Hemmeh, Jordan (Summer)
Director, Dr. Cheryl Makarewicz
Archaeological Dig Assistant
- 2006-2007 CHICHESTER GROUP, Toronto, Ontario, Canada (Summer)
Office Assistant – Took client orders and processed orders and financial documents
- 2005-2007 TUTORING, Toronto, Ontario, Canada (Summer)
Independent Tutoring in Math, Science, and English for Elementary and High School Students
- 2003 BUFFALO MUSEUM OF SCIENCE, Hiscock Site Byron, NY (Summer)
Director, Dr. Richard Laub
Archaeological Dig Assistant
- 2002 P.A.L., Toronto, Ontario, Canada (Summer)
Office Assistant helping produce and ship audiotapes for handicapped students
- 1999 PAVIA CORPORATION, Toronto Ontario, Canada (Summer)
Office Assistant - Catalogued library resources in Excel database

ACADEMIC AWARDS

University of Toronto

- Dean's Honour List, Fall 2012

Harvard College

- Harvard College Research Program, Summer 2008
- Dean's Summer Research Awards, Summer 2008
- Goelet Fund (Anthropology Department), Summer 2008
- President's Discretionary Fund for the Middle East, Summer 2007

Humberside Collegiate Institute

- Governor General's Academic Medal, 2005
- Ontario Scholar, 2005
- Humberside Gold Medal Winner, 1st in Class, 2004 and 2005
- Humberside 75th Anniversary Scholarship
- Peter Bryce Memorial Award in Mathematics
- J. H. Couke Memorial Award in Chemistry
- Jean Antkiw-Verscheure Award in Languages
- Bertrum E. Tolton Scholarship in Chemistry and French,
- Norah T. Belcher Award in Latin (earned in 2004)
- First Place Awards in Mathematics, Physics, Chemistry, Accounting, Greek and Latin
- Centennial Scholar 2001-2005
- Member of Honour Roll Society, 2001-2005

December 2014