

+ Mark Armstrong

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Education

Ph.D. in Computer Science	McMaster University, Sept 2015 - Present
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- Mechanising models of computability theory.
- 3rd place in 2019 Computing and Software poster competition.
- GPA: 11.75 on 12 point scale.

M.Sc. in Computer Science	McMaster University, Sept 2013 - Sept 2015
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- Investigated results from classical computability theory in the context of computability over the real numbers.
- GPA: 11.75 on 12 point scale. Graduated with distinction.

B.A.Sc. in Computer Science	McMaster University, Sept 2008 - April 2013
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- Research projects:
 - Summer 2010: on (theoretical) models of concurrency with Dr. Ryszard Janicki.
 - Summer 2013: on mechanising mathematical knowledge with Dr. Jacques Carette.
- GPA: 11.1 on 12 point scale. Graduated with distinction. On Dean's Honour List in every year.

Employment

Sessional faculty	McMaster University, 2013 - Dec 2019
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- 4 appointments for Computer Science 3MI3, "Principles of Programming Languages".
- Planned and prepared lecture materials and assignments/tests including both written and programming evaluations.
- Supervised teaching assistants.

Teaching assistant	McMaster University, 2013 - Dec 2019
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- 13 appointments, primarily to courses on programming language theory and discrete mathematics.
- Prepared and led tutorial sessions and office hours, marked student work.
- In some cases, appointed to supervise other teaching assistants.

Research assistant	McMaster University, Summers 2010 and 2012
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- Independently carried out research on topics selected by supervising professors.

Embedded Systems Test Developer, Intern	Blackberry, May 2011 - Aug 2012
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- Developed automated tests and testing systems for the GPS system of the BB10 operating system.



Skills

Programming

Expert

Agda, Emacs lisp

Experienced

C, C++

Familiar

Python, Ruby, Haskell

Other software

Emacs, Org mode, L^AT_EX

Soft skills

Publications

- Armstrong, Mark & Zucker, Jeffery, Notions of semicomputability in topological algebras over the reals, Computability, vol. 8, no. 1, pp. 1-26, 2019

Awards

Graduate studies scholarships and fellowships

Name	Years held	Value
NSERC Postgraduate Scholarship, Doctoral	2017 - 2019	\$42,000
Ontario Graduate Fellowship	2016 - 2017	\$12,000
Dean's Excellence Engineering Doctoral Award	2015 - 2018	\$127,500 ¹
NSERC Canadian Graduate Scholarship, Masters	2014 - 2015	\$17,500
Ontario Graduate Scholarship	2013 - 2014	\$15,000

1. Included guaranteed teaching assistant employment income for those years.

Other

Name	Date	Value	Description
Gerald L. Keech Medal	2013	—	For highest graduating GPA in program that year.
Ruth and Jack Hall Prize	2011	\$225	For highest 3 rd year GPA in program.
Dr. Harry Lyman Hooker Scholarship	2011	\$1500	For academic excellence.
Createch Scholarship	2010	\$1000	For highest 2 nd year GPA in program.
Nortel Networks Scholarship	2009	\$1000	For academic excellence.
McMaster entry scholarship	2008	\$2000	

Extracurricular

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