# WILLIAM T. TARIMO

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## EDUCATION

**Brandeis University**, Graduate School of Arts and Sciences, Waltham, MA          ***Ph.D.*** *Awarded in Aug 2016*
*Dissertation Title*: **Computer-Supported Agile Teaching (CSAT)**
*Doctoral Fellowship:* Teaching & Research Assistantship

**Brandeis University**, Graduate School of Arts and Sciences, Waltham, MA          ***MA*** *Awarded in Feb 2014*
*Major*: **Computer Science**          **GPA: 3.59**
*Relevant Courses*: Fundamentals of A.I, Networked Information Systems, IT Entrepreneurship & Software Development, Android
          Development, Statistical Machine Learning, Computational Linguistics, Scientific Computing

**Connecticut College,** New London, CT          ***BA*** *Awarded in May 2012*
*Majors*: **Computer Science** & **Mathematics**          **GPA: 3.66**
*Relevant Courses*: Database Systems, Multimedia, A.I, Algorithms, Robotics, Web Technologies & Mobile Computing, Computer
          Organization, Operating Systems, Data Structures, Python, Probability, Linear & Abstract Algebra, Calculus II &
          III, Real & Complex Analysis, Discrete Mathematics, Mathematical Statistics

**Waterford Kamhlaba – UWC-SA,** Mbabane, Swaziland          ***IB Diploma*** *Awarded in Dec 2007*
*Diploma*: **International Baccalaureate (IB) Diploma**          **Pts: 36/42**
*Relevant Courses*: Higher Level (Mathematics, Chemistry, Physics), Lower Level: ITGS (Information Technology in a Global
          Society), English, Swahili

## AWARDS & DISTINCTIONS

- The Computer Science Award for excellence in research, academics, and service: Connecticut College          *Jan 2012*
- Dean's High Honors & Dean's Honors: Connecticut College          *Sept 2008 – May 2012*
- Davis Scholar: Connecticut College          *Sept 2008 – May 2012*
- KECK Research Grant Recipient: Connecticut College          *May 2010*
- United World College (UWC) Scholar: Waterford Kamhlaba UWC-SA          *Jan 2006 – Dec 2007*

## EMPLOYMENT EXPERIENCE

**Department of Computer Science,** Brandeis University, Waltham, MA
- Intern - The Educational Technology Research Group          *Dec 2016 – Present*
- Doctoral Researcher & Teaching Assistant          *Sept 2012 –Aug 2016*

**Myrna Kraft Transitional Year Program (MKTYP),** Brandeis University, Waltham, MA
- Assistant Tutor of Computer Science          *Jan 2015 – Dec 2015*

**Boston Solutions Center,** MassMutual Financial Group, Boston & Springfield, MA
- Academic Coop-Intern - Assistant Researcher and Associate Knowledge Architect          *May 2015 – Aug 2015*

**Computer Science Department,** Connecticut College, New London, CT
- Student Advisory Board (SAB) President          *Sept 2011 – May 2012*
- Undergraduate Researcher & Research Intern          *May 2010 – May 2012*
- Teaching Assistant & Robotics Lab Manager          *Sept 2009 – May 2012*

**Information Services,** Connecticut College, New London, CT
- IT Service Assistant          *Aug 2008 – Aug 2012*

## TEACHING EXPERIENCE

**Teaching Assistant / Co-Tutor: Department of Computer Science,** Brandeis University, Waltham, MA
- COSI 166B - Capstone Project for Software Entrepreneurs          *Spring 2016*
- COSI 167B - Software Engineering Laboratory          *Spring 2016*
- COSI I55B – Computer Graphics          *Fall 2015*
- TYP 6A – Computer Science          *Fall 2015*
- COSI 65A – Introduction to 3D Animation          *Spring 2015*
- TYP 6A - Computer Science          *Spring 2015*
- COSI 11A-1 – (Introduction to) Programming in Java and C          *Fall 2014*
- COSI 11A-2 – (Introduction to) Programming in Java and C          *Fall 2014*
- COSI 152AJ – Web Application Development          *Summer 2014*
- COSI 167B – JBS in Voice, Web, and Mobile Applications          *Summer 2014*

- COSI 155B – Computer Graphics *Spring 2014*
- COSI 65A – Introduction to 3D Animation *Fall 2013*
- COSI 12B – Advanced Programming Techniques *Spring 2013*
- COSI 157A – Component Based Software Development *Fall 2012*

**Computer Science & Mathematics Departments,** Connecticut College, New London, CT
- Teaching Assistant for several CS and Math courses & Robotics Lab Manager *Fall 2009 – Spring 2012*

## PUBLICATIONS
### Dissertation
- *"*Computer-Supported Agile Teaching (CSAT)*"*, Doctoral Dissertation, Brandeis University, 08/31/2016

### Journal & Conference Publications
- Tarimo, William T., and Timothy J. Hickey. "Fully integrating remote students into a traditional classroom using live-streaming and TeachBack." Frontiers in Education Conference (FIE), 2016 IEEE. IEEE, 2016.
- Tarimo, William T., Fatima Abu Deeb, and Timothy J. Hickey. "A Flipped Classroom with and Without Computers." International Conference on Computer Supported Education. Springer International Publishing, 2015.
- Tarimo, William T., Fatima Abu Deeb, and Timothy J. Hickey. "Early detection of at-risk students in CS1 using TeachBack/Spinoza." Journal of Computing Sciences in Colleges 31.6 (2016): 105-111.
- William T. Tarimo, Fatima Abu Deeb, and Timothy J. Hickey, "Computers in the CS1 Classroom", Proceedings of the 7th International Conference on Computer Supported Education, 2015, pp. 67–74.
- Tarimo, William T., and Timothy J. Hickey. "Adopting a 'Flipped' Interactive Pedagogy using TeachBack: Tutorial Presentation." Journal of Computing Sciences in Colleges 30.6 (2015): 135-137.
- Hickey, Timothy J., and William T. Tarimo. "The Affective Tutor." Journal of Computing Sciences in Colleges 29.6 (2014): 50-56.
- Parker, Gary B., and William T. Tarimo. "Using Cyclic Genetic Algorithms to Learn Gaits for an Actual Quadruped Robot ." Systems, Man, and Cybernetics (SMC), 2011 IEEE International Conference on. IEEE, 2011.
- Parker, Gary B., William T. Tarimo, and Michael Cantor. "Quadruped Gait Learning Using Cyclic Genetic Algorithms." 2011 IEEE Congress on Evolutionary Computation (CEC). IEEE, 2011.
- Parker, Gary B., and William T. Tarimo. "The Effects of Using a Greedy Factor in Hexapod Gait Learning." 2011 IEEE Congress of Evolutionary Computation (CEC). IEEE, 2011.

### Book Chapters
- William T Tarimo, Fatima Abu Deeb, and Timothy J Hickey, "A 'Flipped Classroom with and without Computers", *International Conference on Computer Supported Education*, Springer International Publishing, 2015, pp. 333–347.

## LEADERSHIP & VOLUNTEERING EXPERIENCES
*Club Memberships*
- BrandITE (Brandeis IT Entrepreneurship Lunch and Learn) – Brandeis University *Jan 2013 – Dec 2013*
- Students Taking Action to Fight Fistula (STAFF) – Connecticut College *Sept 2008 – May 2012*
- African Student Union (ASU) – Connecticut College *Sept 2008 – May 2012*
- International Students Club (ATLAS) – Connecticut College *Sept 2008 – May 2012*

## TECHNICAL PROFICIENCIES

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|---|---|
| **Programming:** | Ruby On Rails, Python, Java, Matlab, SQL, NoSQL, HTML5, CSS3, JavaScript, JQuery, Scheme, PHP, XML, Node.JS, XQuery, AngularJS, Meteor, Bootstrap, Android Development |
| **Systems:** | Windows, MacOS, Linux, iOS, Android, GitHub, Bitbucket, CodeShip, Heroku, Git, Express |
| **Other:** | AI, Machine Learning, Mathematical & Statistical Modeling, Text & Data Mining, Predictive Analytics & Modeling, Algorithms, Regression, Computer Vision, Image Processing, LaTex, Simulation, Pattern Recognition, Leadership, Database Design & Scripting, Software Project Design & Management, Applied Robotics, Full-Stack Web Development, Customer Service, IT Service, Agile & Scrum Methodologies, Entrepreneurship, Pedagogy Design, Education Technology, Technical Research & Writing, Teaching & Mentoring, Quantitative & Qualitative Analytics, *Self-Taught Stock Trader* |
| **Language**: | English - Fluent, Swahili - Native, Spanish - Conversational, Khmer - Beginner |