

Joshua Branchaud

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Education

B.S. in Computer Science, University of Nebraska-Lincoln, May 2011.

Minors: Mathematics and Spanish

M.S. in Computer Science, University of Nebraska-Lincoln, In progress.

Experience

Full-time Volunteer, August 2013–July 2014

Young Adults in Global Mission of the ELCA, Grand Bourg, Buenos Aires, Argentina

Accompanied the community of Congregation San Lucas, including administrative duties, youth and children's activities, and technology training and consulting

Facilitated skill-building workshops and taught computer skills at a vocational center for differently-abled adults

Partnered with a neighborhood school to provide after-school English language instruction

Graduate Research Assistant, August 2011–August 2013

University of Nebraska-Lincoln, Department of Computer Science, advised by Dr. Anita Sarma

Developing an Impact Analysis technique to be used for real-time workspace awareness

Continuing to update Palantir as was done in undergraduate research

Student Intern, May 2012–August 2012

Formal Methods Group, NASA Langley, Hampton, VA, advised by Dr. Suzette Person

Designed and implemented a framework that brings program analysis to a variety of client applications

Worked on a strategy for efficiently analyzing heap allocated memory during symbolic execution

Undergraduate Research Assistant, January 2010–August 2011

University of Nebraska-Lincoln, Department of Computer Science, advised by Dr. Anita Sarma

Updated Palantir, a workspace awareness tool, written in Java as an Eclipse plug-in

Read research papers on similar tools and wrote technical reviews on those papers

Skills

Experience developing with Java, JavaScript, CSS, HTML, Ruby, Ruby on Rails, Objective-C (for iOS Development), Python, Bash scripts, Git, and Mercurial

Experience in Adobe Photoshop, Illustrator, and InDesign

Proficiency in Spanish

Miscellaneous

Co-founder and organizer, Lincoln's Beer and Code meetup, 2012–present.

President, Beta Sigma Psi Fraternity, 2009–2011.

Participant, ACM Regional Programming Competition, 2010.

Last updated: May 29, 2014