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