

# Joshua Branchaud

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## Education

High School Diploma, Millard North High School, Omaha NE, May 2007.

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 and conversation

### **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

## Miscellaneous

Co-founder of Lincoln's Beer and Code meetup (2012–present)

Participated in mission work in Mexico (2004–2007) and Haiti (2010)

President of Beta Sigma Psi Fraternity, January 2009–January 2011

Participated in the 2010 ACM Regional Programming Competition

Last updated: May 26, 2014