

# 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

### **Host and Fellowship Coordinator, August 2012–July 2013**

*Lutheran Student Center (ELCA), University of Nebraska-Lincoln*

Clean and maintain the Lutheran Student Center building

Engage students with fun fellowship opportunities such as movie nights and pool leagues

### **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

### **Teaching Assistant for CSE361 (Software Engineering), August 2011–December 2011**

*University of Nebraska-Lincoln, Department of Computer Science*

Developed a semester project, assisted in class, graded assignments

### **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

Experiencing developing with Java, JavaScript, CSS, HTML, Ruby, Ruby on Rails, Objective-C (for iOS Development), Git, and Mercurial  
Experience in Photoshop, Illustrator, and InDesign  
Proficiency in Spanish

## 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