Sophia Goreczky
User Experience Designer

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EDUCATION
Cornell University 2012
BS, Engineering: Computer Science and Human-Computer Interaction
Engineering Dean's List: Fall 2011, Spring 2012

TOOLS
Balsamiq, Sketch, Photoshop, Omnigraffle, HTML, CSS, JQuery, Javascript, Arduino, Processing, PHP, Java, MySQL, Git

EXPERIENCE
October 2014 – Present: **Senior User Experience Designer** at *Coverity (Synopsys)*
July 2012 – October 2014: **User Experience Designer** at *Coverity*
As the sole designer in R&D, I am responsible for the design of multiple static analysis products. I gather requirements and build scalable solutions. I lead design reviews with the architects and iterate on mockups (Balsamiq, Sketch, Photoshop, or HTML). I communicate solutions across development, QA, and documentation teams. I manage front end tasks for my team and created a sign off process for feature development. I initiated a unified spec repository across teams to help inform each other of changes made during releases. I make training videos about our new features each release to inform our support and sales engineers about the upcoming changes. Coverity was acquired by Synopsys in 2014.

January - May 2012: **Intermediate Web Programming TA** at *Cornell University*
At Cornell University, taught PHP, MySQL, jQuery, AJAX, and other relevant web tools in a weekly section to undergraduate students.

August - December 2011: **Media Programming TA** at *Cornell University*
At Cornell University, taught Processing to create interactive visual programs to students with non-technical backgrounds.

May - August 2011: **User Experience Intern** at *Inkba*
Iterated on web wireframes and worked with Ruby on Rails 3/PHP/MySQL to develop e-commerce site and beta sign up page.

May - July 2010: **CS REU student** at *Trinity University*
NSF sponsored REU to study multi-agent systems. Worked with Dr. Yu Zhang and Dr. Mark Lewis to translate a social simulation in which agents connect and disconnect based on a method dubbed "Highest Weighted Reward." The code was translated from C++ to Scala and put into a distributed framework.

June - July 2007: **Research intern at NTBC** at *Cornell University*
National Science Foundation (NSF) sponsored internship. Learned how to make and design microfluidic devices in a clean room environment.

May - July 2006: **Research intern** at *University of Texas at Dallas*
Worked with Professor Sergey Bereg to use the Cinderella computer simulation to study linkages in a web of nodes.

OTHER
Attended **Adaptive Path UX Week** August 2015.
Nielsen Norman Group certified in **One-Person UX Team Tool Box** course in August 2014.
Attended **Nielsen Norman Group** conference in June 2014.
Attended **Edward Tufte** conference in May 2014.
I am a **native Spanish speaker**.
Living in San Francisco Bay Area.

PROJECTS

January - May 2012: **Table Stitch**

Built a robot that uses a sewing machine to stitch a GUI-inputted free-form or template design. Video available on portfolio website.

August 2010 - January 2012: **Cornell Mars Rover**

Control Systems Leader. Responsible for directing the hardware and software design of the rover to compete in the University Rover Challenge. Built the team website.

January - May 2010: **Cornell Minesweeper**

An organization that built a robot to dismantle land mines. Member of the business team. Built the team website.

August 2004 - May 2007: **LISSA Prototype**

Light Intensity and Sonar Sensing Assistant (LISSA) was a science fair robotics project that built a prototype that warned visually-impaired users about obstacles in their environment. Went to the Intel International Science and Engineering Fair and won 3rd place (2006) and 4th place (2007) in the engineering category. Most of my public speaking abilities came from my involvement in this competition.