

# Cecili Reid

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## Professional Experience

Integration Engineer, *Tin Roof Software*

Sept. 2014 – Present

- Develop reporting system using **Ruby on Rails** in **Linux** environment
- Monitor and test development system of a client's video streaming system
- Design and implement scripts and tools to integrate with client's current system using **Python, Perl, Bash, and PHP**

Undergraduate Research Assistant, *Georgia Tech College of Computing*

Feb. 2011 – May 2014

- Assisted Dr. Betsy DiSalvo with over 3 research projects leading to publications
- Conducted and transcribed over 15 semi-structured interviews
- Collected and analyzed 15 specific data points in over 1000 search results

Research Assistant, *Auburn University Computer Human Interaction Lab*

May 2013 – Aug. 2013

- Collaborated with graduate student to implement a badging system for For Youth, For Life and 4H using **Drupal, Apache, MySQL, and PHP**
- Worked with a team to reorganize the content management system for Extension.org
- Created a simple game using **Java** to teach Finite State Machines in conjunction with the CS10K curriculum

## Education

**Georgia Institute of Technology**

Aug. 2010 – May 2014

*Bachelor of Science in Computer Science* with concentration in Modeling, Simulation, and People

## Skills

**Programming Languages** (in order of most experience)

Java, Ruby on Rails, Bash, Matlab, Perl, PHP, Python, C, Assembly

## APIs/Tools

Eclipse 3.7, Maven, Subversion, Android 4.4/KitKat and earlier, Github, JBoss

## Operating Systems

Mac OS (Mavericks and earlier), Unix/Linux (Ubuntu 14.04), Windows (95/98/2000/XP/Vista)

## Leadership/Activities

Founder and President, *FirstGen*

May 2012 – Dec. 2013

- Created an organization for first generation college students that won Best New Organization award
- Collaborated with 10 executive board members, led over 200 members, and oversaw multiple monthly events
- Fundraised over **\$10,000** for the organization and for a scholarship given to graduation first generation college students

## Publications

- DiSalvo, B., **Reid, C.**, Khanipour Roshan, P. (2014). They Can't Find Us: The search for informal cs education. Proceeding of the 45<sup>th</sup> ACM technical symposium on computer science education (SIGCSE '14). ACM, Atlanta, GA, USA. Retrieved from <http://dl.acm.org/citation.cfm?doid=2538862.2538933>
- **Reid, C.** (2014). Metro-Atlanta parents' role in technical Education and their advantages. (Undergraduate thesis, Georgia Institute of Technology). Retrieved from <http://hdl.handle.net/1853/52126>

## Conferences and Presentations

- Lightning Talk, STARS Celebration, Atlanta, GA "Research Through the Eyes of the Community", Aug. 2013
- Birds of a Feather Session, Tapia Celebration of Diversity in Computing, Seattle, WA "Diversity in Computing", Feb. 2014
- Author/Paper Session: Focus on K-12: Informal Education, Curriculum, and Robots, ACM Special Interest Group on Computer Science Education, Atlanta, GA "They Can't Find Us: The Search for Informal CS Education", Mar. 2014