

## Education

**George Mason University**, Fairfax, VA*Bachelors of Science in Computer Science***Aug 2011 - May 2015***Cumulative GPA: 3.93*

- Dean's List all semesters attended.
- Phi Kappa Phi academic honors society member.
- Honors College Extraordinary Service award recipient.
- University Scholars scholarship recipient (highest academic merit scholarship).

## Research Experience

**University of Alabama**, Tuscaloosa, AL*REU Undergraduate Researcher***May 2014 - July 2014**`reu.cs.ua.edu`

- Analyzed graphical language IDEs for common attributes.
- Contributed to Open Source modeling framework AToMPM.

**Florida Institute of Technology**, Melbourne, FL*REU Undergraduate Researcher***May 2013 - July 2013**`amalthea-reu.org`

- Constructed robust data mining framework in a cloud-computing environment.
- Novel MapReduce implementation allowed scalability to Big Data problems.
- Built using Apache Hadoop, Mahout, and Hive; deployed at scale on Amazon EC2 cloud.

## Work Experience

**George Mason University Honors College**, Fairfax, VA*Lead Project Developer***Aug 2013 - Present**`honorscollege.gmu.edu`

- Developed crowd-sourced peer-review service for students pursuing research topics.
- Maintained multiple Linux web servers hosting online content for student access.
- Collaborated with research mentors to increase usability and value of services.

**Harmonia Holdings Group, LLC**, Tysons Corner, VA*Java Programming Consultant***June 2012 - Present**`harmonia.com`

- Created components of a Learning Classifier engine.
- Collaborated with project manager on high level systems architecture design.
- Spearheaded design and implementation for complex graphical user interfaces, all to-specification.

## Community Involvement

**Student-Run Computing and Technology (SRCT)**, Fairfax, VA*President and Co-Founder***August 2013 - Present**`srct.gmu.edu`

- Managed and deployed Open Source projects to benefit the campus community.
- Maintained multiple Linux web servers hosting software services.
- Coordinated and led large-scale community outreach events.

## Publications

- Rose, D. M., Rouly, J. M., Haber, R., Mijatovic, N., & Peter, A. M. (2013, December). Parallel Hierarchical Affinity Propagation with MapReduce. In *Cloud Computing Technology and Science (CloudCom), 2013 IEEE 5th International Conference on* (Vol. 2, pp. 13-18). IEEE.
- Jean Michel Rouly, Jonathan D. Orbeck, and Eugene Syriani. Usability and Suitability Survey of Features in Visual IDEs for Non-Programmers. In *Proceedings of the 5th Workshop on Evaluation and Usability of Programming Languages and Tools, PLATEAU '14*, pages 31–42, New York, NY, USA, 2014. ACM.

## Technical Skills

### Languages

Java, C, Python, SQL, R, PHP, (X)HTML, CSS, Javascript, Haskell, MATLAB,  $\text{\LaTeX}$ 

### Operating Systems

Linux/UNIX; Windows 7, XP, 2000

### Common Applications and Frameworks

Apache Hadoop and Mahout, Django, SVN, Git, Eclipse, NetBeans

### Software Design Paradigms

MapReduce, Use Case analysis, UML, technical writing