Jean Michel Rouly

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Education

Bachelors of Science in Computer Science *summa cum laude*   **Aug 2011 - May 2015**
George Mason University, Fairfax, VA   *Cumulative GPA: 3.95*

- Dean's List all semesters attended.
- Phi Kappa Phi academic honors society member.
- Honors College Extraordinary Service award recipient.
- Volgenau School of Engineering Distinguished Academic Achievement Award recipient.
- Volgenau School of Engineering Excellence in Undergraduate Writing Award recipient.
- University Scholars scholarship recipient (highest academic merit scholarship).

Work Experience

Software Engineer   **September 2015 - Present**
Rally Health, Washington, D.C.   rallyhealth.com

- Developed large-scale search engine web application in Scala and Play.
- Utilized modern reactive and stream technology to serve RESTful web APIs.
- Served on-call rotations while managing production deploys to millions of consumers.
- Operated individually and in a team to design and implement solutions to frequently changing requirements.

Lead Project Developer   **Aug 2013 - January 2015**
George Mason University Honors College, Fairfax, VA   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.

Java Programming Consultant   **June 2012 - June 2013**
Harmonia Holdings Group, LLC, Tysons Corner, VA   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

President and Co-Founder   **August 2013 - May 2014**
Student-Run Computing and Technology (SRCT), Fairfax, VA   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

- Rouly, J. M., Rangwala, H., and Johri, A. (2015, July). What Are We Teaching?: Automated Evaluation of CS Curricula Content Using Topic Modeling. In *Proceedings of the eleventh annual International Conference on International Computing Education Research* (pp. 189-197). ACM.
- Rouly, J.M, Orbeck, J. D., and Syriani, E. 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.
- 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.

Technical Skills

Languages & Tools
Scala, Akka, Play, ElasticSearch, Python, C, Java, SQL, Javascript, HTML, CSS, R, PHP, Django, Flask, Git, SVN

Operating Systems
Linux/UNIX, Windows, Mac OSX