

EDUCATION

- MS** Computer Science, **University of Illinois at Urbana-Champaign** Aug 2013 - May 2015
Area: Programming Languages, Formal Methods, and Software Engineering
Advisor: Prof. Darko Marinov
CGPA: 3.96
- BS** Computer Science, **Al Akhawayn University in Ifrane (AUI), Morocco** Aug 2009 - Dec 2012
CGPA: 3.97
Valedictorian of the School of Science and Engineering
Honors Program
Minors in Mathematics and General Engineering
- Claremont Colleges, International Student Exchange Program Aug 2011 - Dec 2011
Various classes taken at Harvey Mudd, McKenna, and Scripps colleges

RESEARCH EXPERIENCE

- University of Illinois at Urbana-Champaign** Aug 2013 - May 2015
Research Assistant in Prof. Darko Marinov's group
My ongoing projects focus on improving regression testing
External reviewer for: ICSE 2014, ICST 2014, and ASE 2014
- University of Illinois at Urbana-Champaign** Jan 2014 - May 2014
Independent Study with Prof. Vikram Adve
Extended annotation inference for Deterministic Parallel Java (DPJ)
- Harvey Mudd College** Aug 2011 - Dec 2011
Undergraduate Research with Prof. Elizabeth Sweedyk
Implemented and verified results from recently published work in Computer Graphics on edge-aware image processing with Laplacian pyramids
- Al Akhawayn University in Ifrane, Morocco** Jun 2011 - Dec 2012
Undergraduate Research Assistant with the Arabic Reading Assistant research group
Implemented an online platform to help individuals learn Arabic and Berber languages

PAPERS

1. Milos Gligoric, Rupak Majumdar, Rohan Sharma, **Lamyaa Eloussi**, and Darko Marinov. *Regression Test Selection for Distributed Software Histories*, International Conference on Computer Aided Verification (CAV) 2014.
2. Qingzhou Luo, Farah Hariri, **Lamyaa Eloussi**, and Darko Marinov. *An Empirical Analysis of Flaky Tests*, International Symposium on Foundations of Software Engineering (FSE) 2014.
3. Milos Gligoric, **Lamyaa Eloussi**, and Darko Marinov. *Ekstazi: Lightweight Test Selection*, International Conference on Software Engineering (ICSE 2015), Demonstrations Track.
4. Milos Gligoric, **Lamyaa Eloussi**, and Darko Marinov. *Practical Regression Test Selection with Dynamic File Dependencies*, International Symposium on Software Testing and Analysis (ISSTA 2015). (Won ACM SIGSOFT Distinguished Paper Award)
5. Alexandros Tzannes, Stephen Heumann, **Lamyaa Eloussi**, Mohsen Vakilian, Michael Han, Vikram Adve. *Region and Effect Inference for Safe Parallelism*, International Conference on Automated Software Engineering (ASE 2015).

WORK EXPERIENCE

- Salesforce.com, San Mateo, CA** July 2015 - Present
Associate Software Engineer in Test
- Salesforce.com, San Mateo, CA** May 2014 - Aug 2014
Intern in Quality Engineering
Designed and implemented solutions to improve test automation frameworks
- ST Microelectronics, Brussels, Belgium** Feb 2013 - Aug 2013
Software Engineering Intern
Implemented a security module for smart meter gateways using JavaCard technology
- Caciopee, Rabat, Morocco** Jun 2011 - Aug 2011
Software Engineering Intern
Designed and implemented a web-based Log Analysis application using JEE technologies and the ZK, Hibernate, and Spring frameworks

TEACHING EXPERIENCE

- AUI School of Science and Engineering** Sep 2012 - Dec 2012
Teaching Assistant, Differential Equations and Calculus I
Graded assignments and quizzes
- AUI Center for Academic Development** Jan 2012 - May 2012
Tutor, Calculus I
Held weekly practice and review sessions

ACHIEVEMENTS AND INVOLVEMENTS

- Appointed as a Siebel Scholar, Class of 2015.
- Volunteer with the Champaign-Urbana Canteen Run, Spring 2014
- Facebook Hackathon, Honorable Mention for the GOODIE application, November 2013
- Selected (as one of the top three CS students) to represent AUI at the ACM Arab Collegiate Programming Contest in Jordan, 2012
- First Prize in the National General Knowledge Competition at AUI, 2012
- Volunteer at the association “Maison de L’avenir”, Rabat, Morocco, December 2011
- Participation in a student exchange program with Harvard University (HSAI), March 2011
- Coordination of Ait Lahcen School project within “Hand in Hand” association, Spring 2011
- NASA Certificate of Recognition for participation in the Killer Asteroid Project, 2010

TECHNICAL COMPETENCIES

| | |
|------------------------------------|--|
| IDEs and other Software: | Eclipse, Net-Beans, JBuilder, C-free, Mathematica, Matlab, Visual Studio |
| Version Control: | Subversion, Git, Mercurial |
| Continuous Integration: | Jenkins |
| Database & Web Servers: | MySQL, MS SQL server, Postgresql, Oracle, Apache |
| Operating Systems: | Windows Operating Systems, Mac OS X, Ubuntu Linux, Android |
| Compiler Infrastructure: | LLVM, Clang |
| Languages / APIs: | C, C++, C#, Java, Python, SQL, Assembly 8086, OpenGL, LaTeX |
| JEE frameworks: | ZK, Hibernate, Spring |