

# Dr. Abdulmajeed Ibrahim Alameer

Assistant Professor



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<b>Research interest</b>	Software Analysis, Software Test Automation, Web Applications, Machine Learning
<b>Teaching interest</b>	Software Engineering, Software Testing, Software Project Management
<b>Education</b>	<p><b>Doctor of Philosophy in <i>Computer Science</i>.</b> University of Southern California, Los Angeles, CA, USA in 2019 Dissertation: “ Detection, Localization, and Repair of Internationalization Presentation Failures in Web Applications”,</p> <p><b>Master of Science in <i>Computer Science</i>.</b> University of Southern California, Los Angeles, CA, USA in 2013</p> <p><b>Bachelor of Science in <i>Computer Science</i>.</b> King Saud University, Riyadh, Saudi Arabia in 2010</p>
<b>Professional appointments</b>	<p><b>Assistant Professor at King Saud University</b> College of Computer and Information Sciences. Computer Science department. From November 2019 to present.</p> <p><b>Teaching and Research Assistant at University of Southern California</b> Viterbi School of Engineering, Computer Science department. From August 2014 to August 2019.</p> <p><b>Software Tester at The Aerospace Corporation</b> Member of the development team of Unified Code Count (UCC) tool. From August 2013 to December 2013</p> <p><b>Lecturer at King Saud University</b> College of Computer and Information Sciences. Computer Science department. From September 2017 to November 2019.</p> <p><b>Teaching Assistant at King Saud University</b> College of Computer and Information Sciences. Computer Science department. From August 2010 to September 2017.</p>
<b>Activities and Services</b>	Reviewer for ECOOP and ISSTA 2018 Doctoral Symposium

## Recent Publications

Abdulmajeed Alameer, Paul Chiou, and William G.J. Halfond. "Efficiently Repairing Internationalization Presentation Failures By Solving Layout Constraints." *In Proceedings of the 12th IEEE International Conference on Software Testing, Verification and Validation (ICST)*. April 2019.

Sonal Mahajan\*, Abdulmajeed Alameer\*, Phil McMinn, and William G.J. Halfond. "Automated Repair of Internationalization Failures in Web Applications Using Style Similarity Clustering and Search-Based Techniques." *In Proceedings of the 11th IEEE International Conference on Software Testing, Verification and Validation (ICST)*. April 2018. (\*equal contributors). **Distinguished Paper Award**

Sonal Mahajan, Abdulmajeed Alameer, Phil McMinn, and William G.J. Halfond. "Automated Repair of Layout Cross Browser Issues using Search-Based Techniques." *In Proceedings of the 26th International Symposium on Software Testing and Analysis (ISSTA)*. July 2017. **Distinguished Paper Award**

Sonal Mahajan, Abdulmajeed Alameer, Phil McMinn, and William G.J. Halfond. "XFix: Automated Tool for Repair of Layout Cross Browser Issues." *In Proceedings of the 26th International Symposium on Software Testing and Analysis (ISSTA) – Tool Demo Track*. July 2017.

Abdulmajeed Alameer and William G.J. Halfond. "An Empirical Study of Internationalization Failures in the Web." *In Proceedings of the International Conference on Software Maintenance and Evolution (ICSME)*. October 2016.

Abdulmajeed Alameer, Sonal Mahajan, and William G.J. Halfond. "Detecting and Localizing Internationalization Presentation Failures in Web Applications." *In Proceedings of the IEEE International Conference on Software Testing, Verification, and Validation (ICST)*. April 2016. **Best Paper Award**

Sofien Gannouni, Nasser Alrayes, Abdulmajeed Alameer, Abdulrahman Alsaudi, and Ahmad Alabdulkareem. "B-mail: a Brain-Controlled Mail Client." *Journal of Digital Information Management* 9, no. 4 (2011): 167-170.

## Awards

**Distinguished Paper Award:** The IEEE International Conference on Software Testing, Verification, and Validation (ICST) for the paper "*Automated Repair of Internationalization Failures in Web Applications Using Style Similarity Clustering and Search-Based Techniques.*" (2018)

**Distinguished Paper Award:** The ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA) for the paper "*Automated Repair of Layout Cross Browser Issues using Search-Based Techniques.*" (2017)

**Best Paper Award:** The IEEE International Conference on Software Testing, Verification, and Validation (ICST) for the paper "*Detecting and Localizing Internationalization Presentation Failures in Web Applications.*" (2016)

**Silver Medal Award:** 10<sup>th</sup> Malaysia Tech Expo; Innovation entitled "*Brain Controlled E-mail Client.*" (2011)

**1<sup>st</sup> Place:** KSU's 2<sup>nd</sup> Students Scientific Symposium for innovation. Innovation entitled "*Brain Controlled E-mail Client.*" (2011)

**Second Class Honor:** from King Saud University with excellent grade. (2010)

**3<sup>rd</sup> Best Graduation Project:** for the project "*Brain Controlled E-mail Client*" in a competition organized by Advanced Electronics Company, Riyadh. (2010)

## Computer Skills

**Languages:** Java, C, Python, SQL, JavaScript, CSS, and HTML

**Software and Frameworks:** Debian-based Linux, Selenium, Apache Maven, Docker, Git, Subversion, Soot, Django, and others.