

## EDUCATION

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- Florida State University, Tallahassee, USA** Tallahassee, USA  
Ph.D. in Computer Science, Advisor: Sonia Haiduc December 2020  
– **Thesis:** “Identifying and Extracting Information from Video Programming Tutorials to Support Developer Knowledge Discovery”
- Florida State University, Tallahassee, USA** Tallahassee, USA  
M.S. in Computer Science, Advisor: Jie Yang, GPA: 3.96/4.00 December 2017  
– **Thesis:** “Mobile Augmented Reality in Indoor Environment”
- King Abdulaziz University B.Sc. Degree in Information Technology** Jeddah, KSA  
B.Sc. Degree in Information Technology, GPA: 4.87/5.00 2008–2012  
– **Capstone Project:** “Electronic Emergency System”

## EXPERIENCE

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- University of Jeddah** Jeddah, Saudi Arabia  
Assistant Professor 2020–current
- Florida State University** Tallahassee, USA  
Lead Teacher Assistant 2018–2020  
Research Assistant
- King Abdulaziz University** Jeddah, Saudi Arabia  
Teacher Assistant 2013–2014
- General Authority of Civil Aviation** Jeddah, Saudi Arabia  
Programmer 2012–2013
- Saudi Arabian Airlines** Jeddah, Saudi Arabia  
Trainee: Programmer 2011–2012

## PUBLICATIONS

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- [1] E. Parra, **M. Alahmadi**, A. Ellis, and S. Haiduc, “A comparative study and analysis of developer communications on slack and gitter”, *Empirical Software Engineering*, vol. 27, no. 2, pp. 1–33, 2022.
- [2] **M. Alahmadi**, A. Khormi, and S. Haiduc, “GUI-focused overviews of mobile development videos”, in *Proceedings of the ACM/IEEE 42nd International Conference on Software Engineering: Companion Proceedings*, 2020, pp. 314–315.
- [3] **M. Alahmadi**, A. Khormi, and S. Haiduc, “Ui screens identification and extraction from mobile programming screencasts”, in *Proceedings of the 28th International Conference on Program Comprehension*, 2020, pp. 319–330.
- [4] **M. Alahmadi**, A. Khormi, B. Parajuli, J. Hassel, S. Haiduc, and P. Kumar, “Code localization in programming screencasts”, *Empirical Software Engineering*, vol. 25, no. 1, pp. 1536–1572, 2020.

- [5] **M. Alahmadi**, A. Tayeb, A. Khormi, E. Parra, and S. Haiduc, “UIScreens: Extracting user interface screens from mobile programming video tutorials”, in *Proceedings of the 28th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering*, 2020, pp. 1660–1664.
- [6] A. Khormi, **M. Alahmadi**, and S. Haiduc, “A study on the accuracy of ocr engines for source code transcription from programming screencasts”, in *Proceedings of the 17th IEEE/ACM Working Conference on Mining Software Repositories*, 2020, pp. 376–386.
- [7] **M. Alahmadi**, J. Hassel, B. Parajuli, S. Haiduc, and P. Kumar, “Accurately predicting the location of code fragments in programming video tutorials using deep learning”, in *Proceedings of the 14th International Conference on Predictive Models and Data Analytics in Software Engineering*, 2018.
- [8] **M. Alahmadi** and J. Yang, “Towards efficient mobile augmented reality in indoor environments”, in *International Conference on AI and Mobile Services*, Springer, 2018, pp. 106–122.

## SKILLS

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- **Programming:** Python, Java, C#, C++
- **Android:** Java, C#, XML
- **Database:** MySQL, Microsoft SQL Server, SQLite

## LANGUAGES

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- **English:** Fluent
- **TOEFL:** 86
- **Arabic:** Native

## PROJECTS

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See full list of projects on [malahmadi.sa](http://malahmadi.sa)

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| <ul style="list-style-type: none"> <li>• Seminole Parking (Android, 2017)</li> <li>• Release or find nearest parking and chat</li> <li>• Electronic Emergency System (Android, 2012)</li> <li>• Provide reliable assistance in case of emergency</li> </ul> | <ul style="list-style-type: none"> <li>• Assets Tracking in Warehouse(C#, 2013)</li> <li>• Track Assets using RFID</li> <li>• Nurse Call in Hospital(Android, 2012)</li> <li>• Request a service from a nurse using a mobile app</li> </ul> |
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## AWARDS

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| <ul style="list-style-type: none"> <li>• GlassFit: Hackathon on Computer Vision by Thakaa center</li> <li>– <b>One of the best three projects out of 230 projects</b></li> <li>• EES: Annual Conference on Undergraduate Research on Applied Computing - Zayed University<br/><a href="http://www.urc.ac/2012/program.html">http://www.urc.ac/2012/program.html</a></li> <li>– <b>One of the best six projects out of 90 international projects</b></li> <li>• EES Project: Best Undergraduate Project - FCIT, King Abdulaziz University</li> <li>• EES: National Technology Entrepreneurship Challenge</li> </ul> | <p>2021</p> <p>2012</p> <p>2012</p> <p>2012</p> |
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