

# Ahmet Furkan Aydogan

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## Aim

Creating innovative projects in the Digital Forensics topic, which is my PhD field, to generate a strategic infrastructure for the technological innovations that countries rapidly adopt.

## Education

<b>Sam Houston State University (U.S.A. - Texas)</b> PhD – Digital Forensics Thesis Topic: Frequency Based IoT Security	GPA: 4.0 Graduation: 2022
<b>Sam Houston State University (U.S.A. - Texas)</b> Bachelor Degree – Computer Science and Software Engineering	GPA: 3.67 Graduation: 2019
<b>Firat University – (Turkey - Elazig)</b> Bachelor Degree – Software Engineering	GPA: 3.60 Graduation: 2017

## Skills

**Programming Languages:** C#, ASP.NET, Python, Turbo Pascal, PHP, C, C++, SQL, MATLAB, HTML, CSS

**Methods:** Digital Forensics, Digital Forensics Investigations, Texas Law, E-Discovery, Ethical Hacking, Deep Learning, Machine Learning

**Tools:** Visual Studio, Jupyter, Dreamweaver, FTK Imager, the Sleuth Kit, Autopsy, CAINE, Exif Tool

**Libs:** Tensorflow, Keras, Scikits-learn, Numpy, Pandas, Matplotlib

**Databases:** MySQL, SQL

**Operating Systems:** Kali Linux, Cyborg, Parrot, Windows, Ubuntu, Raspbian

## Professional Experiences

<i>Research and Development Member, April '20 - Present</i>	<i>IEEE Standards Association   U.S.A.</i>
<i>Scientific Committee Member, April '20 - May '20</i>	<i>IEEE ISDFS   Eight Country</i>
<i>Graduation Assistant - Ethical Hacking, April '20 - July '20</i>	<i>Sam Houston State University   U.S.A.</i>
<i>Teacher's Assistant - Programming with Python, September '19 - December '19</i>	<i>Sam Houston State University   U.S.A.</i>
<i>Teacher's Assistant - File System Forensics, September '19 - December '19</i>	<i>Sam Houston State University   U.S.A.</i>
<i>Cyber Security Expert, June '18 - December '18</i>	<i>Diversity Education Institute   USA</i>
<i>Technician - Samsung Turkey, June '16 - September '16</i>	<i>Istanbul   Turkey</i>

## Publications

*Aydogan, Ahmet Furkan, Asaf Varol et al. "Cyber Attacks Targeting Android Cellphones. - IEEE Conference Publication, IEEE, 4 May 2017, [ieeexplore.ieee.org/document/7916511/citations](http://ieeexplore.ieee.org/document/7916511/citations).*

**Published in:** 2017 5th International Symposium on Digital Forensic and Security (ISDFS)

*Aydogan, Ahmet Furkan, Bing Zhou "Improving Database Security with Pixel-based Granular Encryption" - IEEE Conference Publication, IEEE, 16 Dec 2018.*

**Published in:** 2018 IEEE International Conference on Big Data

*Aydogan, Ahmet Furkan, Khaled Rabieh "A Fair and Privacy-preserving Reservation Scheme for Charging Electric Vehicles" - IEEE*

Conference Publication, IEEE, 21 July 2019.

**Published in:** 2019 International Symposium on Networks, Computers, and Communications conference.

Aydogan, Ahmet Furkan, Khaled Rabieh "Employing a Continuous Measurement Process During Digital Tool Validation" - IEEE Conference Publication, IEEE, 21 July 2019.

**Published in:** 2019 International Symposium on Networks, Computers, and Communications conference.

A. F. Aydogan and N. Shashidhar, "Prevention Pre-Violence in E-Labs with Machine Learning: PVE," 2021 9th International Symposium on Digital Forensics and Security (ISDFS), 2021, pp. 1-5, doi: 10.1109/ISDFS52919.2021.9486349.

**Published in:** 2021 9th International Symposium on Digital Forensics and Security (ISDFS)

A. F. Aydogan, M. K. An and M. Yilmaz, "A New Approach to Social Engineering with Natural Language Processing: RAKE," 2021 9th International Symposium on Digital Forensics and Security (ISDFS), 2021, pp. 1-7, doi: 10.1109/ISDFS52919.2021.9486342.

**Published in:** 2021 9th International Symposium on Digital Forensics and Security (ISDFS)

**(Best Paper Award)** K. Rabieh, A. F. Aydogan and M. A. Azer, "Towards Safer Roads: An Efficient VANET-based Pedestrian Protection Scheme," 2021 International Conference on Communications, Computing, Cybersecurity, and Informatics (CCCI), 2021, pp. 1-6, doi: 10.1109/CCCI52664.2021.9583221.

**Published in:** 2021 International Conference on Communications, Computing, Cybersecurity, and Informatics (CCCI)

## **Certifications**

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Perception Management and Information Gathering Certificate

Safety Awareness Certificate

Confidentiality Agreement Certificate

Child Abuse Recognition and Reporting Certificate

Gender-Based Fraud Prevention and Reporting Certificate

Cyber Security Awareness Certificate

Equal Employment Opportunity Ethics Certificate

Informatics Based Business License

## **Organizations**

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Turkish Student Organization - Vice President, November '19 - June '20

Sam Houston State University | U.S.A.

The National Society of Collegiate Scholars Invited Member, November '19 --June '20

Sam Houston State University | U.S.A.

## **Honors and Conferences**

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'21 - 2021 International Conference on Communications, Computing, Cybersecurity, and Informatics (CCCI) – Best Paper Award

'19 -Sam Houston State University - Dean of Computer Science Department High Achievement and Honor Degree

'19 -Sam Houston State University-Conference on Developing Undergraduate Experiences and Creative Activities

'20-Perception Management and Information Gathering Education High Success Certificate

'19 --Dallas / Texas - Hedera Hashgraph Development and Usage Conference

'18 -Sam Houston State University-English Language Institute Fastest Developing Student Degree

'20 - 8. International Symposium on Digital Forensic and Security Certificate of Appreciation

'19 - International Symposium on Networks, Computers, and Communications Conference Participation Certificate

## **Additional information**

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Age: 26

Visa Status: F1 – 5 Years

Legally Work Status: OK