Ahmet Kapkic

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SKILLS

Programming Experience: Java, C#, Swift, Python, PHP, SQL, RESTful APIs, Object Oriented Programming (OOP)

Scientific Experience: Dealing with big data; data visualization; software engineering; cyber security; statistical analysis; machine learning; mobile application development; geographical information systems; patent, paper and academical writing and communication skills

Interpersonal/Leadership Experiences: Assembling and leading research teams of different backgrounds; founding student communities and creating national and international connections; actively taking part in international organizations as both a member and board member; organizing events, conferences and meetings; managing and establishing research laboratories

NOTABLE PROJECTS

Big Data Analytics on Cloud File Systems; Case Analysis on File Access Dates – *Group Leader*

Jan 2018 – Sep 2018
- I undertook a big data project as my final project at the Computer Engineering department to apply and improve my understanding of big data in real life cases.
- During the project, I have utilized Java and Spark languages with different regression and scaling approaches for analyzing millions of cloud file system logs to predict the time when the user will access the specified files again.
- This project also has been awarded a monetary grant and accepted to the district exhibitions regarding data science on separate occasions from the country's most prestigious scientific institution, TUBITAK.

EDUCATION

Youngstown State University – *Masters, Computing and Information Sciences*

2019 – 2021

College of STEM, CGPA: 4,0.

- Worked on Pedestrian Detection using Deep Learning methods, benefiting from MS COCO dataset.
- As a Teaching Assistant of CSCI 5801 Software Engineering, responsible for preparing and grading quizzes and teaching different approaches in software engineering giving examples from real-life experiences.
- Awarded "Graduate College Premiere Scholarship" from Youngstown State University for my Masters, 2019 and 2020, and "Read. RECreate. Reward Scholarship" in 2020.

Gazi University, Turkey – *BSc, Computer Engineering*

2014 – 2018

Faculty of Engineering

- Worked at the Biometric Laboratory for 4 years under the supervision of Prof. Dr. Seref Sagiroglu.
- Established a small Big Data Laboratory for undergraduate students at the University's Engineering Faculty.
- Represented my department in different occasions as a student; most notable of them are at Commission on Quality at Council of Higher Education and for the introductory video of the department.
- Developed and handled an automatic mail list maintaining system for academical purposes.

HONORS, AWARDS AND GRANTS

Competitions

- **Finalist:** Dell EMC Envision the Future Competition, with submission "Big Data Analytics on Cloud File Logs", 2019. *International competition, among 350 submissions from 23 countries.*
- **District Finalist:** TUBITAK 2242 Undergraduate Project Competition in Prioritized Domains, Information and Communication Technologies, Scientific and Technological Research Council of Turkey (TUBITAK), 2018.
- **Top 5:** 5th Place Prize at Gazi Siber Güç CTF, 2018.
- **Finalist:** Fight4J Java Programming Contest, 2016.
- **Top 20:** HackingWars CTF Top 20, 2016.

Conferences

- **Certificate of Appreciation:** International Congress on Big Data, Deep Learning and Fighting Cyber Terrorism, for presenting at the congress, 2018.
- **Certificate of Appreciation:** Association of Child and Information Safety, as one of the speakers at the interactive panel "Listening to the Youth" during the 2018 International Congress on Child and Information Safety (In Turkish), 2018.
- **Certificate of Appreciation:** International Workshop on Industry and Computer Security, as a member of Organizing Committee, 2018.
- **Certificate of Appreciation:** Gazi University Office of Student Groups, given for being a board member of Gazi University ISACA Student Community, 2018.
- **Certificate of Appreciation:** National Conference on Countering Cyber Terror: Threats and Measures, for being one of the supporters of the organization as the University's Cyber Security Student Community, 2017.
- **Certificate of Appreciation:** Big Data Analytics, Security and Privacy Workshop, as a member of Organizing Committee, 2016.

Awards

- **Scholarship/Monetary Award:** Awarded "Read. RECreate. Reward Scholarship" from Youngstown State University, 2020.
- **Scholarship:** Awarded "Graduate College Premiere Scholarship" from Youngstown State University for my Masters, 2019 and 2020.
- **Monetary Project Support:** TUBITAK 2209-B Industry Oriented Undergraduate Thesis Support Program, Scientific and Technological Research Council of Turkey (TUBITAK), 2018.
- **Monetary Award:** 5th Place Prize at Gazi Siber Güç CTF, 2018.
- **Credited (Vulnerability):** Gazi University Computer Engineering Undergraduate Thesis Projects Information System, for reporting a critical vulnerability in the system, 2018.
- **Outstanding Achievement Award:** DKHOCTF, 2016.
- **Certificate of Appreciation:** HackingWars CTF Top 20, 2016.
- **Certificate of Appreciation:** People Caring for the Future (CARFU), for undertaking a social responsibility project as an instructor, 2016.

PUBLICATIONS

Journal Papers

- U. Yavanoğlu, **A. Kapkiç**, S. T. Yağcı, C. Aktepe, G. Tunçer, "Kablosuz Ağ Cihazi Erişim Güvenliği ve Farkindalik Analizi: Ankara Örneği (An Analysis on Wireless Network Device Access Security and Awareness: Case Study of Ankara)", Uluslararası Bilgi Güvenliği Mühendisliği Dergisi / International Journal of Information Security Engineering, Volume: 1, Issue: 1, Pages: 11-19, 2015.

Conference Papers

- B. Özçakmak, **A. Kapkiç**, B. Bağıröz, A. Koç, U. Yavanoğlu, "Assessment of Wireless and IoT Security Awareness: A Case Study (An Analysis on Wireless Network Device Access Security and Awareness: Case Study of Ankara)", 7th International Conference on Advanced Technologies (ICAT'18), April 28 –May 1, Antalya, Turkey, 2018.
- U. Yavanoğlu, **A. Kapkiç**, S. T. Yağcı, C. Aktepe, G. Tunçer, "Kablosuz Ağ Cihazı Erişim Güvenliği ve Farkındalık Analizi: Ankara Örneği (An Analysis on Wireless Network Device Access Security and Awareness: Case Study of Ankara)", The 3nd International Symposium on Digital Forensics and Security (ISDFS), May 11 – 12, Ankara, Turkey, 2015.

Translations

- Implementing the NIST Cybersecurity Framework Using COBIT 2019 (Turkish), ISACA, ISBN 978-1-60420-821-4
- CISA Review Manual, 27th Edition (Turkish), ISACA, ISBN 978-1-60420-855-9
- COBIT Focus Area: Information Security (Turkish), ISACA, ISBN 978-1-60420-851-1
- COBIT 2019 Framework: Introduction and Methodology (Turkish), ISACA, ISBN 978-1-60420-807-8
- COBIT 2019 Design Guide: Designing an Information and Technology Governance Solution (Turkish), ISACA, ISBN 978-1-60420-809-2

- COBIT 2019 Implementation Guide (Turkish), ISACA, ISBN 978-1-60420-810-8

PATENTS

Title: System for Measuring Long Distances in Outdoor Environments Using Mobile Devices and Determining the Accuracy of a Shared Status

This patent is application pending.

ACADEMIC ACTIVITIES

Organizing Committee Member: 12th International Conference on Information Security and Cryptology (Ankara, Turkey, October 16-17, 2019).

Speaker: "Cyber Threats, Cyber Awareness", Workshop on Numerical Communication Techniques and Technological Developments in Communication Systems in Fighting Forest Fires, (Antalya, Turkey, March 25-29, 2019).

Poster: "Big Data Analytics in Cloud File Logs"; International Congress On Big Data, Deep Learning & Fighting Cyber Terrorism (Ankara, Turkey, December 3-4, 2018).

Panelist: "Listening to Z Generations: Being Young in Cyber Life: Cyber Future with the Lens of Z Generation" International Child and Information Safety Congress "Digital Games" (Ankara, Turkey, April 13, 2018).

Poster: "Assessment of Wireless and IoT Security Awareness: A Case Study", 7th International Conference on Advanced Technologies (ICAT'18) (Antalya, Turkey, April 28 – May 1, 2018).

Organizing Committee Member: International Workshop on Industry and Computer Security (Eskişehir, Turkey, December 8, 2017).

Speaker: "Mobile Devices and Cyber Security Awareness", International Conference on Information Security and Cryptology (ISCTurkey 2017) (Ankara, Turkey, October 2017).

Organizing Committee Member: Big Data Analytics, Security and Privacy Workshop (February 11, 2016).

Poster: "Kablosuz Ağ Cihazı Erişim Güvenliği ve Farkındalık Analizi: Ankara Örneği (An Analysis on Wireless Network Device Access Security and Awareness: Case Study of Ankara)" The 3nd International Symposium on Digital Forensics and Security (ISDFS) (Ankara, Turkey, May 11 – 12, 2015).

EXPERIENCE

In Business

Futuretech, Ankara – *Software Engineer*

May 2019 – Aug 2019

- Maintained and updated both front and backends of FaceAnalytic, a system which does personality analysis by face images.

- Developed an iOS app for FaceAnalytic and published it to the App Store.
- Published the website of Futuretech, while managing the hosting and domain systems of company's website.

Başarsoft, Ankara *– Android Developer*

Jun 2017 – Aug 2017

- Had a 2-month internship at the R&D department, focusing on Mobile Application Development and GIS.
- Utilized Material Design and GitLab source control systems through developed applications.
- Helped company to implement GitLab as source control system into their ongoing and active projects.

HP2M, Ankara

- *Webmaster*

Mar 2015 – Apr 2017

- o Created and managed hp2m.com for two years.
- o Used CSS and HTML as design languages with a responsive design and a PHP backend.
- o Implemented a log system and Google Analytics to the site, and applied SEO accordingly to increase the site traffic.

- *Android Developer*

Aug 2015 – Apr 2016

- o Developed and published "Gazi+", a student information system on Android for students of Gazi University.

- *iOS Team Lead*

March 2015 – Apr 2016

- o I have worked as the iOS Team Leader of "Muhafız", a panic button application designed for emergency situations.
- o Used Swift and Objective-C through the development process and utilized location services to provide accurate location; designed in a way to allow the location data to be used in hp2m.com site interface.

At University

Youngstown State University *– Graduate/Teaching Assistant*

Aug 2019 – May 2021

- Awarded a Graduate Assistantship at YSU's Computer Science and Information Systems department.
- As a Teaching Assistant of CSCI 5801 Software Engineering, responsible for preparing and grading quizzes and teaching different approaches in software engineering giving examples from real-life experiences.

People Caring for the Future (CARFU), Ankara *– Instructor*

Mar 2016 – May 2016

- Volunteered as an instructor teaching high school students Android Development for six weeks as a social responsibility project conducted by a collaboration between Gazi University and CARFU.

Oracle Academy, Ankara – *Translator*

Mar 2015 – Aug 2015
- Volunteered as a part of the translation team localizing Alice3 software in Turkish in a collaboration between Oracle Academy Ankara division and Carnegie Mellon University.

MEMBERSHIPS

ISACA

- *Board Member of Ankara Chapter*

Dec 2018 – Present

- *Head of the Student Chapter at Gazi University*

Mar 2018 – Dec 2018

GAZI BIDISEC (Gazi University Big Data and Information Security Center) – *Member (Alumni)*

Apr 2018 – May 2019

Gazi University ISACA Student Group – *Founding President*

Sep 2017 – Jul 2018

Gazi University Cyber Security Community (GaziCyber) – *Founding President*

May 2016 – Sep 2017

LANGUAGES

- Turkish (Native)
- English (C2/Advanced)
  - TOEFL: 107 (R: 30, L: 28, S: 22, R:27)