Ahmet KAPKIC

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OBJECTIVE

Versatile graduate student experienced in all things data, AI and software engineering. With strong leadership and research experiences, searching for a position focused on delivering services to a wide range of users.

EDUCATION

Youngstown State University, College of STEM, Youngstown, OH, USA

Masters, Computing and Information Systems, May 2021   GPA: 4.0 /4.0

- Did on my thesis on Object Detection with Deep Learning. Advisor: Assoc. Prof. Dr. Yong Zhang.
- Received "Graduate College Premiere" and "Read. RECreate. Reward" Scholarships.
- TA at 5801 Software Engineering

Gazi University, College of Engineering, Ankara**,** TURKEY

BSc**,** Computer Engineering, Oct 2018   GPA: 3.01/4.0

- Thesis on Usage Prediction on Cloud File Systems, Machine Learning
- Worked at the Biometrics Laboratory for 4 years under the supervision of Prof. Dr. Seref Sagiroglu, Chairman of the Department at the time.
- Established a small Big Data Laboratory for undergraduates at the University's Engineering Faculty.

SKILLS

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

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

OS/Program Experiences: Linux, Windows, LaTeX, XCode, Android Studio, Anaconda, PyCharm, Amazon Web Services (AWS), Oracle Database, Word, Excel, PowerPoint, Visio, Tableau, Jenkins, Git, Docker

RELEVANT COURSEWORK

Machine Learning, Cloud Computing and Big Data, Information Theory, Introduction to Big Data, Computer Networks, Data Structures, Computer Architecture, Data Communications, Microprocessors, Formal Languages and Automata, Software Engineering, Database Systems, Mathematical Modeling, Operating Systems, Object Oriented Programming, Advanced Database Design and Administration, Theory and Practice of Information Systems

SOFTWARE ENGINEERING EXPERIENCE

Futuretech, Ankara, TURKEY / **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.
  - Managed the hosting and domain systems and published the company's website.

Basarsoft, Ankara, TURKEY / **Android Developer Intern, Jun 2017 – Aug 2017**

- Focused on Mobile Application Development and GIS, utilized Material Design and GitLab source control systems.
- Helped company to implement GitLab as source control system into their ongoing and active projects.

Basari Mobil, Ankara, TURKEY / **Software Engineer Intern, Jun 2016 – Aug 2016**

- Focused on AWS and general server development.
- Built a web application dashboard for controlling and managing different types of AWS products, such as EC2 and S3 systems.

HP2M, Ankara, TURKEY/ **Full Stack Developer, Mar 2015 – Apr 2017**

- Worked as the iOS Team Leader of "Muhafiz", a panic button application and 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.
- Took part in development and published creating "Gazi+", a student information system on Android for students of Gazi University.
- Created and managed hp2m.com website for two years. Implemented a log system and Google Analytics to the site, and applied SEO accordingly to increase the site traffic. Used CSS and HTML as design languages with a responsive design and a PHP backend.

TEACHING EXPERIENCE

Youngstown State University, Youngstown, OH, USA / **Graduate 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, TURKEY / **Instructor, Mar 2016 – May 2016**
- Volunteered as an instructor teaching high school students Android Development for six weeks as a social responsibility project.

Oracle Academy, Ankara, TURKEY / **Translator, Mar 2015 – Aug 2015**
- Volunteered as a part of the translation team localizing Alice3 software in Turkish in a collaboration with Carnegie Mellon University.

NOTABLE PROJECTS

Big Data Analytics on Cloud File Systems; Case Analysis on File Access Dates / Group Leader, Jan 2018 – Sep 2018
- Undertook a big data project at the Computer Engineering department to gain experience on applying big data in real world cases.
- Utilized Java and Spark 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.

PROFESSIONAL DEVELOPMENT

Competitions
- **International Finalist:** Dell EMC Envision the Future Competition, with submission "Big Data Analytics on Cloud File Logs", 2019. The competition received 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), Turkey, 2018.
- **Monetary Project Support:** TUBITAK 2209-B Industry Oriented Undergraduate Thesis Support Program, TUBITAK, Turkey, 2018.
- **Top 5:** 5th Place Prize at Gazi Siber Guc cyber security competition, Turkey, 2018.
- **Finalist:** Fight4J Java Programming Contest, 2016.
- **Top 20:** HackingWars CTF Top 20, 2016.
- **Outstanding Achievement Award:** DKHOCTF, 2016.

Papers
- B. Ozcakmak, **A. Kapkic**, B. Bagiroz, A. Koc, U. Yavanoglu, "An Analysis on Wireless Network Device Access Security and Awareness: Case Study of Ankara)", 7th International Conference on Advanced Technologies (ICAT'18), 2018. Was the presenter for the paper.
- U. Yavanoglu, **A. Kapkic**, S. T. Yagci, C. Aktepe, G. Tuncer, "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 3rd International Symposium on Digital Forensics and Security (ISDFS), 2015. Was the presenter for the paper.

Patents
- **Title:** System for Measuring Long Distances in Outdoor Environments Using Mobile Devices and Determining the Accuracy of a Shared Status
  Status: Application pending since 12.01.2018.

Memberships
- **ISACA /** Board Member of Ankara Chapter in Turkey, Dec 2018 – Present / Head of the Student Chapter, Mar 2018 – Dec 2018
  Took part in organizing data privacy, audit and cyber security related events/conferences for both professionals and students with the chapter.
  Translation reviewer of the Turkish translation group of COBIT 2019 Framework: Introduction and Methodology, COBIT 2019 Design Guide: Designing an Information and Technology Governance Solution and COBIT 2019 Implementation Guide and many more.
  Founded the first recognized ISACA Student Group in Turkey.
- **Gazi BIDISEC (Gazi University Big Data and Information Security Center) /** Member, Apr 2018 – Jan 2020
  Built a Hadoop big data cluster in the university to help students practice big data on a real system and served as one of the editors of the center.
- **Gazi University Cyber Security Community (GaziCyber) /** Founding President, May 2016 – Sep 2017
  Assembled a CTF team, which has participated and won different awards in nation-wide cyber security competitions.

Related Accomplishments

Organizing Committee Member: 12th International Conference on Information Security and Cryptology (Turkey, 2019).
Poster: "Big Data Analytics in Cloud File Logs"; International Congress on Big Data, Deep Learning & Fighting Cyber Terrorism (Turkey, 2018).
Panelist: "Being Young in Cyber Life: Cyber Future with the Lens of Z Generation" Int. Child and Information Safety Congress (Turkey, 2018).
Speaker: "Mobile Devices and Cyber Security Awareness", International Conference on Information Security and Cryptology (Turkey, 2017).