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Updated November 22, 2020. See erdogan.dev/resume for latest version.

EDUCATION

Koç University (GPA: 3.46) <i>Double major in Computer Engineering & Mathematics</i> <i>Cryptography, Security, and Theory specialization program</i>	Istanbul, Turkey 2017 – Present
Üsküdar American Academy <i>High School</i>	Istanbul, Turkey 2012 – 2017

EXPERIENCE

Undergraduate Teaching Assistant <i>Koç University</i> <ul style="list-style-type: none">Conducting weekly lab sessions, holding weekly office hours, and helping grade assignments for the COMP 125: Introduction to Programming with Python course.	Sep. 2020 – Present Istanbul, Turkey
Research Intern <i>Koç University</i> <ul style="list-style-type: none">Working on a research project concerning the security of privacy-preserving machine learning technologies.Using Python and various machine learning libraries. Writing code for implementing privacy-preserving machine learning methods and attacks against them.	July 2020 – Present Istanbul, Turkey
Software Development Intern <i>Proteams</i> <ul style="list-style-type: none">Worked towards improvements for different parts of a mobile application, including its back-end server, database, and admin panel.Java, Spring, JavaScript, Angular, PostgreSQL	July 2020 – Aug. 2020 Istanbul, Turkey
Summer Intern <i>IBM</i> <ul style="list-style-type: none">Worked as a summer intern within the IBM Cloud & Cognitive team.Built a chatbot to answer questions by IBM new hires as a group with the other interns.Developed a music generation system using neural networks and built a web interface for it with the other interns.	July 2019 Istanbul, Turkey
Software Development Intern <i>Bitlo Cryptocurrency Exchange</i> <ul style="list-style-type: none">Worked with Java and the Spring framework on web applications.	Feb. 2018 – April 2018 Istanbul, Turkey

OTHER PROJECTS

Brick-breaking Game <i>Java, Swing, MongoDB</i> <ul style="list-style-type: none">Developed a brick-breaking game as a group of 5 for the Software Engineering course at Koc University.Worked with Java Swing libraries for the visuals, and used MongoDB to save user statistics and save games.Gained experience with software development tools and methodologies such as agile development, UML diagrams, and design patterns.	Fall 2019
Web-based News Reader <i>Ruby, Ruby on Rails, JavaScript</i> <ul style="list-style-type: none">Developed a web-based reader scraping and displaying content from Hacker News, Slashdot, and the r/programming subreddit as a solo project.	2019
Course Projects <ul style="list-style-type: none">Various course projects including Computer Networks, Operating Systems, and Digital Design courses among others can be found at https://github.com/ege-erdogan/coursework.	2017 –

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, Ruby, C, Scheme
Frameworks/Libraries
Machine learning: PyTorch, Numpy, Matplotlib, scikit-learn
Web: Ruby on Rails, Spring, Bootstrap
Tools/Platforms: Git, UML, AWS, IBM Cloud, design patterns
Areas of interest: Machine learning, cryptography, web development, computer networks, theoretical CS