

# Ege Erdoğan <sup>+</sup>905354030970 | [ege@erdogan.dev](mailto:ege@erdogan.dev) | [linkedin/ege-erdogan](https://www.linkedin.com/in/ege-erdogan) | [github/ege-erdogan](https://github.com/ege-erdogan)

Updated December 6, 2020. See [erdogan.dev/resume](https://erdogan.dev/resume) for latest version.

## EDUCATION

<b>Koç University (GPA: 3.46)</b> <i>Double major in Computer Engineering &amp; Mathematics</i> <i>Cryptography, Security, and Theory specialization program</i> <i>Vehbi Koç Scholar (Spring 2019)</i>	Istanbul, Turkey 2017 – Present
<b>Üsküdar American Academy</b> <i>High School</i>	Istanbul, Turkey 2012 – 2017

## EXPERIENCE

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

## OTHER PROJECTS

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