Çağın **Tanır**

MASTER'S STUDENT AT ETHZ

Zürich, Switzerland

✉ me@cagintanir.com | ⬚ cgntnr | in çağın-tanır-a6b933142

Currently finishing my Master's in Cybersecurity at ETHZ and exploring opportunities where I can have an impact and keep learning.

Education

ETHZ (Eidgenössische Technische Hochschule Zürich) - EPFL   *Zürich, Switzerland*

M.SC. CYBER SECURITY   *Sep. 2021 - Apr. 2024*

• Security focused lectures on software, network, and systems. Minor in Data Management Systems.

EPFL (Ecole polytechnique fédérale de Lausanne)   *Lausanne, Switzerland*

B.SC. COMPUTER SCIENCE AND ENGINEERING   *Sep. 2017 - Jul. 2021*

• Notable Courses: Computer security, Computer networks, Software engineering, System oriented programming, Operating systems

Experience

Siemens Smart Infrastructure   *Zug, Switzerland*

WORKING STUDENT: IOT & CLOUD   *Oct. 2022 - Sep. 2023*

• Managed the security of cloud deployments at the Pre-development Team.
• Developed a Building Automation Tool prototype, involving graph database, backend, REST, and frontend work.
• Experience with AWS, network infrastructure, server and certificate management, containerized deployments.

Research

Unleashing the Full Amplification Potential of DNSSEC   *ETH Zurich*

MASTER'S THESIS   *Sep. 2023 - Apr. 2024*

• Analysis of DNSSEC vulnerabilities interacting with application-layer DoS attacks.
• Creating a testbed to evaluate the DoS risk of major open source DNS resolvers.

Using UWB Ranging to Secure Contactless Payments   *ETH Zurich*

MASTER SEMESTER PROJECT   *Sep. 2022 - Mar. 2023*

• Proposal to enhance tokenisation payment protocol with UWB secure ranging to prevent relay attacks.

TestGen API Collection and Extraction   *EPF Lausanne*

BACHELOR SEMESTER PROJECT   *Feb. 2021 - Jul. 2021*

• API extraction of Debian libraries leveraging source files, to be used in TestGen project in HexHive Lab, EPFL.

Projects

Blindly App   *Lausanne, Switzerland*

MEMBER   *Feb. 2021 - Jun. 2021*

• Wrote a fully functional Android app in Kotlin in a team of 6 students for Software Development Project Course at EPFL.

AEDAG Alumni Association Website   *Switzerland*

DEVELOPER   *Feb. 2021 - Pres.*

• Built and still maintaining the website for Galatasaray High School Alumni Association in Switzerland.

Skills

Programming	Python, C/C++, Java, Scala, Kotlin, HTML, CSS, Typescript, SQL, LaTeX, Version Control Systems
Languages	English & French (Advanced) , German (Upper-intermediate), Turkish (Native)