

「FUTURE
SQUAD」

Burası
geleceğin
başladığı yer!



 **YapıKredi**
Technology

Here are the teams on which Future Squad members can do their internships!

**Software
Engineer
Intern**

**Business
Analyst Intern**

**NLP R&D
Engineer
Intern**

**Data Science
Intern**

**Security
Engineer
Intern**

**Network
Engineer
Intern**

**System
Engineer
Intern**

**Artificial
Intelligence and
Data Governance
Intern**

**Process and
Project
Management
Intern**

**UX-UI
Design
Intern**

WHAT DOES A SOFTWARE ENGINEER INTERN DO?

- We apply Scrum, one of the agile project management methodologies.
- Take part in developing new features for projects, fixing bugs, designing and modeling software processes, and coding unit tests.
- Produce clean, understandable code and document it for backend API and frontend UI screen developments in our projects.
- Get to experience technologies such as Java, Spring, Spring Boot, Microservices, React JS, Redis, RabbitMq, Kafka, Grafana, Dynatrace, CI/CD, Bitbucket, Git.
- SAP Business Objects and/or Microsoft Power BI products are used in projects requiring reporting or visualization.

WHAT DOES A BUSINESS ANALYST INTERN DO?

- Our teams apply Scrum, one of the agile project management methodologies.
- Take part in the processes of analyzing data requested in line with the needs of our business units within our bank.
- Take part in all stages of data modeling and analysis, creating test scenarios and conducting tests, as well as conducting user acceptance tests with business units.
- Use JIRA, Confluence, and Microsoft Teams to adopt agile processes; and PL/SQL and Microsoft Visio to advance analysis and testing processes.
- PPM, JIRA and Confluence are used in the SDLC process.
- SAP Business Objects and/or Microsoft Power BI products are used in projects requiring reporting or visualization.

WHAT DOES AN NLP R&D ENGINEER INTERN DO?

- Ensure and check the labeling of data (text data, speech data, document data, etc.) used in developing models using labeling tools for the machine learning / deep learning models being developed.
- Conduct academic and commercial literature review on projects and report the results. Review open-source models and tools related to projects.
- Assist in model development and training activities using Python frameworks (Pytorch, Tensorflow, Keras, etc.).
- Review and evaluate the results of machine learning/deep learning models.
- Perform analysis related to problems in and improvements for existing applications.

WHAT DOES A DATA SCIENCE INTERN DO?

- Create and code data sets to be used for training by making use of the bank's databases for machine learning problems.
- Use Java, Python, open-source data science libraries, data labeling tools, hyperparameter optimization tools, and JetBrains editors.
- Conduct algorithm efficiency calculations.
- Carry out feasibility activities of new projects.
- Create test scenarios and data.
- Conduct literature and market research on new topics.

WHAT DOES A SECURITY ENGINEER INTERN DO?

- Conduct research on the latest types of cyber attacks, cyber threats, and newly published vulnerabilities.
- Conduct research on the prevention and detection of current cyber threats.
- Perform checks to improve existing security processes.
- Support software projects within the bank from a security perspective and ensure coordination.
- Conduct security risk analysis activities.
- Take part in the management of Cyber Security applications and infrastructure.
- Perform checks related to security alarms generated.

WHAT DOES A NETWORK ENGINEER INTERN DO?

- Reviews technologies, manufacturers and techniques in network security, software-based networks, local area networks, wide area networks and wireless networks.
- Assist in monitoring and coordinating the operation, maintenance, installation and repair processes of all active and passive network equipment, UPS power devices, and infrastructure cabling in the bank's branches and similar environments like ATMs.
- Review voice technologies operating on the bank's network or cloud-based systems, specifically developed for the Customer Contact Center, IP phone infrastructure, and voice and video technologies.
- Define system, software and network devices of IVR - 444 infrastructures.
- Assist in the recognition of screens in monitoring systems and, when necessary, in making configurational definitions.
- Experience Design, Troubleshoot and Office applications used in IT infrastructures.

WHAT DOES A SYSTEM ENGINEER INTERN DO?

- Assist in the operation and monitoring processes of IT systems, monitor performance and provide reports.
- Assist in the management of user systems and devices, as well as in the installation of software and hardware.
- Assist in the patch and vulnerability management processes.
- Assist in the management processes of IT configuration and infrastructure projects.
- Contribute in the documentation and reporting processes.

WHAT DOES AN ARTIFICIAL INTELLIGENCE AND DATA GOVERNANCE INTERN DO?

- Assist in the data collection, cleansing and organization processes.
- Analyze data sets and extract reportable insights.
- Prepare dashboards and reports with data visualization tools.
- Assist in the database management and data stream processes.
- Evaluate model performance and conduct improvement activities.
- Work in collaboration with team members on artificial intelligence projects.
- Regularly create technical documentation and project process records.

WHAT DOES A UX-UI DESIGN INTERN DO?

- Create user interface design.
- Assist in user interface (UX) research and analysis.
- Design user flows.
- Contribute to UI kit and design system development processes.
- Analyze user feedback and incorporate it into the product development process.
- Advance design decisions in coordination with software teams.
- Ensures that design files are kept in an organized and shareable manner.

WHAT DOES A PROCESS AND PROJECT MANAGEMENT INTERN DO?

- Organize and manage project meetings.
- Keep and report meeting minutes at project meetings.
- Become familiar with project management methodologies (Agile, Waterfall, Scrum, etc.).
- Assist with project planning and monitors progress.
- Assist in the preparation of project documentation. Work in collaboration with the project team and communicate frequently.
- Assist in the analyses and analysis presentations related to business processes.
- Reviews analysis documents.
- Perform robotic process automation at a basic level.
- Actively use JIRA, Confluence, Microsoft Teams, PL/SQL to adapt to general working methods and analysis processes.
- Monitor process tracking metrics on a daily basis. (Power BI dashboard)
- Generate business development recommendations, design processes and monitor improvements in processes.
- Use HOPEX, Microsoft Office, RPA UiPath Studio for business processes.

TEAMS YOU CAN CHOOSE BASED ON YOUR STUDY PROGRAM

Software Engineer Intern

- Computer Engineering
- Software Engineering
- Artificial Intelligence and Data Engineering
- Electrical and Electronic Engineering

NLP R&D Engineer Intern

- Computer Engineering
- Software Engineering
- Artificial Intelligence and Data Engineering
- Mathematics Engineering

Business Analyst Intern

- Computer Engineering
- Industrial Engineering
- Mathematics Engineering
- Management Engineering
- Software Engineering
- Management Information Systems
- Statistics

Data Science Intern

- Computer Engineering
- Software Engineering
- Electrical and Electronic Engineering
- Industrial Engineering
- Mathematics Engineering
- Artificial Intelligence and Data Engineering
- Control and Automation Engineering

System Engineer Intern

- Electronics and Communication Engineering
- Electrical and Electronic Engineering
- Computer Engineering
- Software Engineering
- Control and Automation Engineering

Network Engineer Intern

- Electronics and Communication Engineering
- Electrical and Electronic Engineering
- Computer Engineering
- Software Engineering

Security Engineer Intern

- Computer Engineering
- Software Engineering
- Electrical and Electronic Engineering
- Industrial Engineering
- Control and Automation Engineering
- Electronics and Communication Engineering

Process and Project Management Intern

- Industrial Engineering
- Mathematics Engineering
- Management Engineering
- Computer Engineering
- Software Engineering
- Management Information Systems

Artificial Intelligence and Data Governance Intern

- Artificial Intelligence and Data Engineering
- Computer Engineering
- Management Engineering
- Software Engineering

UX-UI Design Intern

- Industrial Design
- Industrial Engineering

