

Group 1 – INTEL – Norway

Software Engineering Intern

Oslo, Norway · Hybrid Internship

About the job

Start Date: Summer 2025 - Duration: 12 weeks

Microsoft's mission is to empower every person and every organization on the planet to achieve more. As employees we come together with a growth mindset, innovate to empower others, and collaborate to realize our shared goals. Each day we build on our values of respect, integrity, and accountability to create a culture of inclusion where everyone can thrive at work and beyond.

Software engineers (SWEs) work with teammates to solve problems and build innovative software solutions. You are passionate about customers and product quality, and you provide technical guidance to Technical Program Managers and Product Managers they consider user needs and product requirements. You will also be expected to demonstrate an ability to learn and adopt relevant new technologies, tools, methods and processes to leverage in your solutions. As a SWE, you are dedicated to design, development and testing of next-generation software which will empower every person and organization on the planet to achieve more.

Come build community, explore your passions and do your best work at Microsoft with thousands of students from every corner of the world. This opportunity will allow you to bring your aspirations, talent, potential—and excitement for the journey ahead.

Responsibilities

Design

- Learns and contributes to processes for the architecture of a product/solution feature and learns to create proposals by testing design hypotheses and helping to refine code plans under the technical leadership of others.
- Collaborates with others to create a clear and articulated plan for testing and assuring quality of solutions.
- Supports identification of dependencies, and the development of design documents for a product feature with oversight.

Coding

- With guidance, learns to create and implement code for a product, service, or feature reusing code as applicable. Writes and learns to create code that is extensible and maintainable. Learns about and applies diagnosability, reliability, and maintainability, and understands when the code is ready to be shared and delivered.
- Learns about and applies knowledge of debugging tools, logs, telemetry, and other methods to proactively flag issues before they occur and reactively flag issues as they occur for product features. Learns to conduct retrospective debugging of solutions to identify root causes of problems.
- Learns to review code and helps to review code of others to ensure it meets the team's and Microsoft's quality standards.

Implement

- Learns to review work items to gain knowledge of product features in partnership with appropriate stakeholders (e.g., project managers). Assists and learns about breaking down work items into tasks and provides estimation. Escalates any issues that would cause a delay.

Reliability and Supportability

- Learns about and contributes to operations of live service as issues arise on a rotational, on-call basis. Identifies solutions and mitigations to simple issues impacting performance or functionality of Live Site services and escalates as necessary.
- Acts as a Designated Responsible Individual (DRI) in monitoring system/product feature/service for degradation, downtime, or interruptions for simple problems, and recommends actions to restore system/product/service by following the
- playbook. Escalates more complex problems to other DRIs as to status. Responds within Service Level Agreement (SLA) timeframe. Escalates issues to appropriate owners.

Engineering Excellence

- Learns about, shares new ideas, and leverages software developer tools to create, debug, and maintain code for features. Uses internal tools and open source when possible.
- Learns to develop and contribute to automation within production and deployment of a product feature. Runs code in simulated, or other non-production environments to confirm functionality and error-free runtime for products with oversight.
- Learns about and helps to support communication with key partners across the Microsoft ecosystem of engineers. Supports partner teams across Microsoft (e.g., Xbox, Office) and supports projects to drive and achieve desirable user experiences and fitting the dynamic needs of partners/customers through product development.

Qualifications

Required/Minimum Qualifications

- Working towards a Bachelor's or a Master's Degree in Computer Science, or related technical discipline.

Preferred Qualifications

- Some proven experience coding in languages including, but not limited to, C, C++, C#, Java, JavaScript, or Python
- Ability to demonstrate an understanding of computer science fundamentals, including data structures and algorithms.

Microsoft is an equal opportunity employer. Consistent with applicable law, all qualified applicants will receive consideration for employment without regard to age, ancestry, citizenship, color, family or medical care leave, gender identity or expression, genetic information, immigration status, marital status, medical condition, national origin, physical or mental disability, political affiliation, protected veteran or military status, race, ethnicity, religion, sex (including pregnancy), sexual orientation, or any other characteristic protected by applicable local laws, regulations and ordinances.