

Job Posting:165245 - Position: S25 Software Baseband Developer Co-op 165245 E3

Co-op Work Term Posted: 2025 - Summer
App Deadline 03/14/2025 09:00 AM
Application Method: Through Employer Website
Posting Goes Live: 02/28/2025 10:34 AM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization Ericsson
Address Line 1 4333 Still Creek Drive
City Burnaby
Postal Code / Zip Code V5C 6S6
Province / State BC
Country Canada

JOB POSTING INFORMATION

Placement Term 2025 - Summer
** Job Title ** S25 Software Baseband Developer Co-op 165245 E3
Position Type Co-op Position
Job Location Ottawa, ON
Country Canada
Duration 8 or 12 months
Salary Currency CAD
Salary Salary Not Available, 0 Major List

Job Description

Job Title: Software Baseband Developer Co-op

Job ID: 760283

Duration: 8, 12 or 16 are possible

About this opportunity

The 5G Baseband software development team has multiple positions to fill. They all provide great learning opportunity in 5G wireless technology. There is lots of team support and student peers to work with, and there is plenty of interesting tools exposure too.

The available positions are as follows. It's also possible that types of work will change over time.

5G software developer

- This position involves developing, debugging and testing 5G features. The development is focused on baseband Layer 2 software.
- You will be working with a software development team in Ericsson, getting full experience of cutting edge technology and sharpening your programming skills.

Tools developer

- This position involves developing/debugging software tools which support developer's needs, such as command-line and web-based tools, 5G log analysis tools, trouble reporting tools, debug tools, software management tools, etc.
- To give our interns a well-rounded Ericsson experience, a portion of your work term will involve working with a software development team on 5G related production and test software

Automated test developer

- This position involves developing the infrastructure to support 5G automated testing and developing automated test cases to test new 5G software features. Areas where test development is focused include Layer 1, test framework and 5G features
- This area offers interesting coding opportunities in the testing realm

AI Developer Experience

- This position involves improving the test development experience by leveraging AI which involves Gen AI powered tool functionality testing. This includes, but is not limited to, generating boilerplate code templates to streamline test creation, identifying inefficiencies in current processes, documenting/presenting findings and improving test automation workflows, exploring use cases for test development, and collaborating with the AI tools team to develop and test new functionalities.
- Furthermore, you will be experimenting with prompt engineering and fine-tuning AI models to optimize their application in test case generation
- It is beneficial to be familiar with AI tools and frameworks such as OpenAI, and Codeium TensorFlow, as well as having knowledge of prompt engineering techniques to tailor AI models for test generation and debugging workflows
- This is an excellent opportunity for students passionate about AI, software development, and improving developer workflows

Join our Team

What you will do

- Collaborate with colleagues
- Use Agile ways of working
- Work with a team, and independently
- Develop real time 5G base station software
- Applying AI/ML skills to development work
- Assist in the investigation of issues uncovered during testing
- Develop/code automated 5G test cases
- Develop/code automated test tools capabilities
- Perform software feature and/or integration testing in the lab on 5G lab equipment
- Work in 5G simulations testing signal processing, including in AI/ML
- Develop command-line and web-based tools, to support software development
- Generate test data for design validation
- Develop test tools and/or test scripts
- Trouble shoot and help to resolve issues with the test environment

Job Requirements

You will bring

- Software development and debugging skills with an academic background in Computer Science, Software Engineering, Communications Engineering, Electrical Engineering or equivalent.
- Working towards completion of a bachelors, masters, or doctoral degree.
- Entering any coop term (1st, 2nd, ...).
- Interpersonal skills: Team player, independent, self-starter, organization skills, detail oriented and able to work in a dynamic environment.
- Effective English oral and written communications skills.
- General knowledge of LTE and/or 5G wireless protocols are helpful.
- Concurrent programming languages, Perl, Python, Java, JavaScript, Typescript, Java SpringBoot framework, HTML/CS, C/C++.
- Experience with Linux, Gerrit, Github, Jenkins, Django, and Angular are all assets.
- HTTP & RESTful framework, Database Fundamentals (Hibernate & JPA in our implementation), Kubernetes & Docker.

These positions are based in Ottawa. We work in a hybrid work model with about three days a week in the office and two working at home, though this can vary somewhat.

This position reports to 5G Baseband line managers.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Yes
Address Cover Letter to Hiring Manager
Special Application Instructions

Application Link:

<https://jobs.ericsson.com/careers/job/563121762690323>

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website. Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received. Students should submit their applications as soon as they are ready.