

# NING WANG

SENIOR SOFTWARE ENGINEER (M.S. IN AI AND EE)



## CONTACT

072-574 68 43 **phone**

wangning8848@gmail.com **email**

Stockholm **address**

## CAREER OBJECTIVE

A highly motivated 2023 Artificial Intelligence Master's graduate with a dual degree in Electronic Engineering, I bring a strong academic background with exceptional grades and a robust foundation in software development.

My expertise extends to developing, testing, and debugging high-performance software solutions with meticulous attention to detail. Proficient in object-oriented programming, I am also deeply passionate about AI/ML and data engineering. With excellent problem-solving and communication skills, I am eager to leverage my knowledge and dual-degree education to pursue a career as a Data Scientist or Data Engineer, where I can continue to grow and contribute to innovative data-driven solutions.

## EDUCATION

June 2023

**Master of Science (M.S.) in Artificial Intelligence**  
Stockholm University, Stockholm

### Relevant Coursework

- Graduated with distinction, achieving A's and B's in all courses.
- IB581N - Big Data with NoSQL Databases
- ML270N - Principles and foundations of Artificial Intelligence

## EXPERIENCE

February 2022 - Present

**Senior Software Engineer at Cloud Native 5G RAN**  
Ericsson, Stockholm, Stockholm

- Working in a team to design, develop, and test the Baseband microservice for Ericsson's cloud-native 5G RAN.
- Technology stack being used are mainly C++, Python, Docker, and Kubernetes.

February 2018 - February 2022

**Senior Software Engineer at 5G Interconnect**  
Ericsson, Stockholm, Stockholm

- Developed software products for state-of-the-art Ethernet switches in Ericsson 5G/NR Baseband Processing Units and radio units
- Worked with Linux internals, open source software integration, and systems software debugging
- Collaborated with cross-functional teams on design, development (C99/C++11), and testing (Google Test/Java)
- Designed API interfaces and software architecture
- Implemented Agile, Continuous Integration, and Continuous Delivery workflows

October 2016 - December 2017

**Software Engineer at 5G NR Baseband**  
Ericsson, Stockholm, Stockholm

- Part of XFT (8 people), focusing on 5G NR baseband User Plane Control
- Contributed to the development of the first 5G feature, Random Access, in baseband UPC
- Collaborated with pre-study teams, product guardians, and system architects
- Worked as interface guardian, ensuring proper interface changes for the new baseband architecture
- Skills: C, EMCA-IDE, Jenkins, GIT, DSP programming

July 2015 - September 2016

**Software Engineer at 3G WRAT Traffic control**

- ML272N - Machine Learning
- ML273N - Natural Language Processing - NLP
- ML305N - Empirical Research Methodology for Computer and Systems Sciences
- IB437C - Data Mining in Computer and Systems Sciences

December 2012

### **Master's Thesis Project in Electrical and Information Technology**

The Faculty of Engineering at Lund University, Lund

#### **Relevant Coursework**

- Master's Thesis Project in collaboration with Ericsson Research.

December 2012

### **Master of Science (M.S.) in Electronics and Communications Engineering**

Blekinge Institute of Technology, Karlskrona

June 2009

### **Bachelor of Science (B.S.) in Electronics Engineering Technology**

Shandong University, Weihai, China

### **Ericsson, Stockholm, Stockholm**

- Design and verification engineer in XFT(8 people) for WRAT traffic control project
- Involved in the development and verification of 2 features (C++ product code and JCAT test cases)
- Worked on main track maintenance task for 2 months
- Acted as a rotated Scrum Master for 1.5 years
- Participated in Ericsson GIC transfer task
- Skills: C++, JAVA, GOAT block test, JCAT, RSARTE, MOShell, GIT, WRBS NODE FV

November 2013 - June 2015

### **Software Engineer - 3G MPSW**

Ericsson, Stockholm, Stockholm

- Design and verification engineer in XFT(7 people) for WCDMA MPSW traffic control
- Involved in the development and verification of 2 features (C++ product code and Python test case)
- Maintained RBS MPSW Innerloop CI Radiator of NcNm block in green state
- Contributed to MPSW CoP, taking action points
- Skills: C++, JAVA, GOAT BT, RSARTE, Python, UML, MOShell, ClearCase, GIT, WRBS NODE FV

January 2013 - July 2013

### **Software Engineer**

Configuration System Sweden (CSS) AB, Stockholm, Stockholm

Software engineer at CSS AB. CSS AB provides a RBS node configuration system to Ericsson AB, which is used by Ericsson supply chain. I was involved in the whole process of product development and verification. Competence: JAVA, MySQL, System Documentation, RBS configuration knowledge, Customer support and Function design.

## **LANGUAGES**

- **English**  
Fluent
- **Chinese (Mandarin)**  
Native
- **Swedish**  
Intermediate

## **SKILLS**

- AI
- Machine Learning
- Data Mining
- Statistical Analysis
- Data Operations
- Jupyter Notebook
- Algorithm Implementation

- BigData
- Python
- C++
- Java
- Pandas
- Kubernetes
- MongoDB
- Linux
- Telecom System 3G/4G/5G

## REFERENCES

References available upon request