



# Siwei Jiang

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## About me

Hej hej! My name is Siwei, I'm 24 and is currently studying a master's degree in Wireless Communications at Lund university.

I'm outgoing, good at teamwork and being creative. I like to challenge new areas. Before coming to Sweden I studied Electronic Engineering including both wireless communications and circuit design.

## Skills

PROGRAMMING LANGUAGES

Python C MATLAB Verilog

ELECTRONIC DESIGN & SIMULATION TOOLS

ADS Quartus FEKO NI Multisim AWR

GRAPHIC DESIGN TOOLS

Adobe Illustrator InDesign Procreate Figma

## Languages

Chinese: Fluent  
English: Advanced  
Swedish: Beginner (SFI)

## Education

2019 - 2023	<b>Xidian University, School of Electronic Engineering</b> Bachelor of Engineering, Electronic Information Engineering XIAN, SHAANXI PROVINCE, CHINA
2024 -	<b>Lund University, LTH</b> Master's programme in Wireless Communications LUND, SWEDEN

## Projects

2020	<b>Summarizing teachers' information from university faculty homepage</b> Created a small project where I used Python to scrape the school's faculty homepage, collecting information on all the teachers and generating an Excel spreadsheet.
2023	<b>Undergraduate thesis: Controllable High-Resolution Portrait Video Style Transfer</b> Using an AI network framework based on the StyleGAN model we managed to convert real photos into cartoon-style images using Python. It's also possible to extend it further to include video cartoonization.
2025	<b>Simulation of an OFDM transmission and reception system using MATLAB</b> Implemented the OFDM as one iteration of an algorithm, enabling efficient message transmission and empirical evaluation of symbol error rates through repeated iterations, integrated linear block coding at the symbol level to maintain simplicity. Compared the performance of ML, MAP and linear block coding detection techniques.

## Extracurricular activities

2019 - 2020	<b>Xidian University Feiyang Badminton Association</b> Director of Activities Department (school club with more than 500 members)
2020 - 2021	<b>National College Student Innovation &amp; Entrepreneurship Training</b> First administrator (a nationwide competition in China involving tens of thousands of participants) <ul style="list-style-type: none"><li>Responsible for overall planning of the project called "Shared kitchen"</li><li>Provided innovative ideas for the project</li></ul>
2021 - 2023	<b>Xidian University Official Social Media</b> Member of the Design Department <ul style="list-style-type: none"><li>Created posters and illustration designs for various promotional activities</li><li>Collaborated with team members to conceptualize and implement creative solutions</li></ul>

## Volunteering

2021	<b>Teaching children in rural areas</b> During the pandemic, I taught art, mathematics and physics to students in rural areas through online classes. I also helped with counseling.
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