

Karolina Shi

Contact

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Education

KTH Royal Institute of Technology

Aug 2020 - Jan 2023

MSc Interactive Media Technology, Sonic Media

Second part of the “civilingenjör”-programme for Computer Science. I chose the Sonic Media track and have been focusing on courses related to audio and music, ranging from the physics behind sound to audio programming.

Aug 2017 - Jun 2020

BS Computer Science

First part of the “civilingenjör”-programme for Computer Science. The curriculum provides a foundation for programming and computers.

Employment

KTH Royal Institute of Technology

Apr 2022 - Present

Course Developer

Developing a course in Computer Safety for the employees of a public Swedish authority. The course is developed based on Question Based Learning (QBL).

Aug 2020 - Apr 2022

Teaching Assistant

Managing laboratory work, supporting students during coding assignments, reformatting course content, giving feedback on project submissions and reports in the following courses:

DT2212 Music Acoustics

DM2624 Human Centered Technology for Disabilities

DM1595 Program Development for Interactive Media

DD1331 Fundamentals of Programming

Apr 2021 - Apr 2022

First Line Support

Part time employment managing IT-related questions and problems.

Publications

Sep 2021

Datatonism: Emulating Historical Instruments as a Pedagogic Exercise

Co-author for a paper accepted and presented at the Nordic SMC 2020, connected to a project work carried out in the course Musical Communication and Music Technology given at KTH. The project consisted of recreating a digital emulation of an analog instrument from the 70s ([GitHub link to the project](#)).

Extracurricular	Sep 2021 – Apr 2022	Illustrator – Osqledaren Illustrating for the KTH Student Union magazine.
	Aug 2019	Buddy – KTH International Reception Managing various activities and answered questions from newly admitted international students.
	Aug 2019	Workshop – KTH Giants Hosting a soldering workshop together with others at KTH Giants – an initiative that aims at inspiring women and non-binary to pursue a technical education.
Language Skills	Native	Swedish
	Fluent	English
	Conversational	Chinese, Japanese