

William Rågstad

Senior Systems Engineer / Software Developer / IT-Security Specialist



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Contact me

Reach out to me on

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Education

Bachelor of Science

Royal Institute of Technology (KTH)

2019 - 2024

Studying **Computer Science** and Engineering at the Department of the School of Electrical Engineering and Computer Science (EECS).

Part-time

Örebro University (ORU)

2017 - 2019

Studied on masters level in Computer Science at **Örebro University** in parallel with High School. Courses included: **Algorithms and Data Structures**, **Software Engineering**, **Operating Systems**, **Computer Networks**, and **Mathematics**.

Experience

IT-Specialist

Swedish Defence Agency

2022 - present

Working as an IT specialist and analyst at The Department for Internet Operations of a Swedish cyber defense government agency and expert authority under the **Swedish Ministry of Defence**.

Software Consultant

Willsoft

2021

I started my own consulting company, **Willsoft**, providing varying IT and software development services to small and medium-sized businesses.

Software Developer

Alex Therapeutics

2021 - 2022

Worked as a Software Developer at **Alex Therapeutics** in the development of a digital KBT therapy platform for mental health. I worked with the main full-stack product (**React** frontend and **Java Spring Boot**) and **developed an internal CMS tool** aiming to simplify in-app content updates and connect language translations.

Research Assistant

Royal Institute of Technology (KTH)

2020 - 2023

Contributed to the **Miking** research project as part of the **core compiler backend team** led by **David Broman** as an **undergraduate student**. I developed the compiler to extend the application domain to include **web browser** and **native JavaScript execution environments**.

Teaching Assistant

Royal Institute of Technology (KTH)

2019 - 2023

Working as a teaching assistant in: **Ethical Hacking**, **Programming Paradigms**, **Programming II**, **Network Programming**, **Operating Systems**, **Interaction Programming**, **Introduction to Java**,

Full-Stack

Connected Minds

2019

Consulting Full-Stack Developer at **Connected Minds** a Swedish consulting company. I worked on the official website using **React** and **Node.js** and integrated a **CMS** for easy updates. Experience with **UI/UX design**, **SEO optimization** and **Google Analytics**.

Systems Engineer

Fairyscope

2017

Consultant at **Fairyscope**, a Swedish startup that developed a mobile app and cloud service for sharing information at exhibitions and trade fairs. I developed **backend** systems and **APIs** for generating custom stylized QR codes and managing user data.

Software Developer

Mjukvarufabriken

2016 - 2019

First programming job at **Mjukvarufabriken** as a Junior Developer. I worked on a mobile app in **C#** and **ASP.NET** for **HEAB** to make routine vehicle inspections easier. As well as other software systems engineering-related work.

Skills

Natural Languages

se Swedish



us English



+ 2 more

Programming Languages



Rust



C#



C



C++



Python



Java



Go



TypeScript



JavaScript



HTML5/CSS3



PHP



F#



Elixir



OCaml



Haskell



Assembly



Bash/Shell



PowerShell



+ more

Projects

I have created many projects, including **Programming Languages**, **Websites**, **Games**, **Tools & Libraries**, **Research**, and **much more**. View some of my featured projects and contributions below.



WebX

MINI LANG

RustScript

Quansy CMS

FONT MANAGER

.(Regfuz)*



CCE

Check out **all of my projects** at github.com/WilliamRagstad and williamr.dev/projects.

View my full resume at: williamr.dev/resume.