



# Alpha Fofana

Computer Engineer



(+46) 73\* \*\*\* \*65



alphafofana.github.io



alpha.fofana@live.se



Alpha Fofana

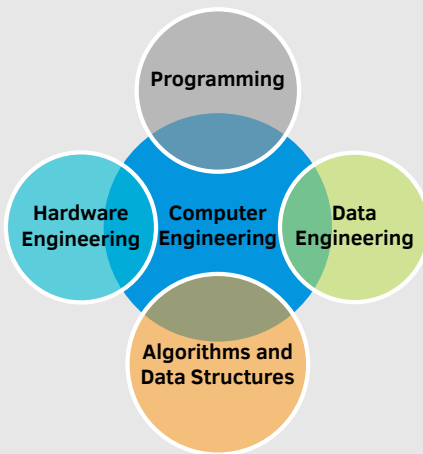


Alphafofana



## Technical Skills

### General Overview



## Education

2020 - Now	<b>The Royal Institute of Technology (KTH)</b> Master of Science (M.Sc.), Industrial Management	Stockholm
2018 - 2020	<b>The Royal Institute of Technology (KTH)</b> Bachelor of Science (B.Sc.), Information Technology	Stockholm
2016 - 2019	<b>The Royal Institute of Technology (KTH)</b> Bachelor of Science (B.Sc.), Electronics and Computer Engineering	Stockholm
2009 - 2010	<b>The Swedish Armed Forces: Luftstridsskolan (LSS)</b> Infantry Soldier	Uppsala

## Experience

Jan 2021 - Now	<b>Software Engineer</b> Klarna	Stockholm
	Bank that provides online financial services such as payment solutions online	
Aug 2018 - Feb 2020	<b>Quality Assurance Tester</b> Academic Work	Stockholm
	Staffing and recruitment for young professionals in the beginning of their career	
Mar 2019 - Jun 2019	<b>Bachelor Thesis Student, Energy Harvesting</b> Cybercom	Stockholm
	An innovative IT and communications technology consultancy firm	
Apr 2018 - Jan 2019	<b>Consultant, Migration and Salesforce CPQ</b> Tele2 IoT	Stockholm
	Enables communication between devices and machines to facilitate IoT solutions	
2010 - 2017	<b>Klarna</b>	Stockholm
7 Years, 1 month	Bank that provides online financial services such as payment solutions online	
Feb 2015 - Aug 2017	• <b>Team Manager, Merchant Support</b>	
May 2015 - Feb 2016	• <b>Manager, Merchant Support Nordics &amp; UK (interim)</b>	
Sep 2014 - Feb 2015	• <b>Team Leader, Merchant Support</b>	
Sep 2013 - Aug 2014	• <b>Merchant Service Manager</b>	
Dec 2011 - Aug 2013	• <b>Merchant Support Outbound Advisor</b>	
Jul 2011 - Dec 2011	• <b>1st-Line Merchant Support</b>	
Aug 2010 - Jul 2011	• <b>Customer Service Agent</b>	

## Language Proficiency

Swedish – Native language  
English – Fluent (speaking, reading and writing)

## References

References, school grades and letters of recommendation are available upon request

# Technical Skills

## Programming Overview

C • C++ • JavaScript

Java • Erlang • Elixir

Mathematica • SQL •  $\text{\LaTeX}$

Python • Prolog

## Work related technical skills

- Work with BI analysis, data & analytics; Academic Work (SQL/Power Query/Power BI)
- Work with data extraction and data transformation; Tele2 IoT (Excel/RegEx)
- Basic work with reports and customer/merchant analysis; Klarna (Excel/ Cognos)
- Basic work with Query Language; Klarna (SQL)

## Academic related technical skills

- Preparation Course in Programming and Computer Science, KTH (Python)
- Programming I, KTH (Java)
- Computer Hardware Engineering, KTH (C++, assembly, Machine code)
- Networks and Communication (networks, protocols and communications)
- Digital Design, KTH (VHDL)
- Linear Algebra, KTH (Mathematica)
- Discrete Mathematics, KTH (Mathematica)
- Algorithms and Data Structures, KTH (Java)
- Signal processing, KTH (Mathematica)
- Embedded Systems, KTH (C)
- Control Engineering, KTH (MATLAB/Simulink)
- Modern Software Development, KTH (Java)
- Logic for Computer Scientists, KTH (Prolog)
- Programming II, KTH (Elixir)
- Operating Systems, (Linux ,C, assembly, Machine code)
- Projects and Project Methods, KTH (C++)
- Project in Electronics and Computer Engineering, KTH (C++)
- Data Storage Paradigms, KTH (SQL, XQuery, XPath)
- Distributed Systems, KTH (Erlang)
- Interaction Programming and the Dynamic Web, KTH (HTML, CSS, Javascript)

## Projects

- Lightweight games on microcontrollers as a part of School projects/competitions (C++)
- Simple hardware projects with stm32 Discovery board (games, sensor etc. in C)
- Building a Quadcopter as a part of School a hardware and software project (C++)
- Portfolio website (JavaScript, CSS, HTML, React, Bootstrap, GraphQL)
- Spotify group session web application (JavaScript, CSS, HTML, React, Bootstrap)