



Alpha Fofana

Computer Engineer



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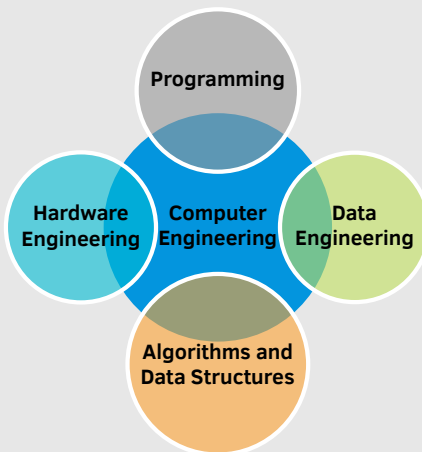


Alphafofana



Technical Skills

General Overview



Education

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

Experience

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

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 • \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)