

# ANDRE ALVES

Information Engineering Student



## Personal Details

📍 Hauptstrasse 123, 20095 Hamburg  
📞 0123 45678910  
✉️ andre@alves.me  
🏠 United State of America  
👤 1985-09-02 · Rio de Janeiro, Brazil  
🌐 andre-a-alves  
💻 www.andre-a-alves.com

## Education

2019 - Present	<b>Bachelor of Science in Information Engineering</b> HOCHSCHULE FÜR ANGEWANDTE WISSENSCHAFTEN HAMBURG	Hamburg GPA 0.0
2007	<b>Bachelor of Science in Physics</b> UNITED STATES NAVAL ACADEMY	Annapolis, Maryland (USA) GPA 2.0
2003	<b>High School Diploma</b> MONMOUTH COUNTY ACADEMY OF ALLIED HEALTH AND SCIENCE	Neptune City, New Jersey (USA) GPA 1.0

## Personal Projects

Sorting Visualizer	Application that visualizes and animates various sorting algorithms, including selection, insertion, merge, heap, and quick sort algorithms. <b>Java</b>
LZW Compressor	Application that performs LZW compression on files, but also has a feature to perform LZW at the string level to allow for visualizing the algorithm. <b>Java</b>
Quantum Simulator	Application that simulates a quantum computer. created as a challenge for the Quantum Open Source Foundation. <b>Python</b>

## Experience

Aug 2020 - Current	<b>Undergraduate Research Assistant</b> HOCHSCHULE FÜR ANGEWANDTE WISSENSCHAFTEN HAMBURG	Hamburg
	<ul style="list-style-type: none"><li>Performed a literature review of photovoltaic system power inverter physics-of-failure modeling.</li><li>Developed SPICE and MATLAB models of three-phase photovoltaic power inverter.</li><li>Setup Linux server for Comsol Multiphysics simulation software and performed all sysadmin duties.</li></ul>	
Oct 2019 - Jul 2020	<b>IT Service and Support Associate</b> DEPOSIT SOLUTIONS GMBH	Hamburg
	<ul style="list-style-type: none"><li>Developed and implemented management solutions and workflows for a fleet of more than 50 MacBooks.</li><li>Developed, wrote, and improved documentation and guides for more than a half-dozen workflows.</li><li>Wrote and distributed custom Shell Script app automate printer installation for the company's Macs.</li></ul>	

- Jul 2018 - Apr 2019**      **Entrepreneur**      San Antonio, Texas (USA)  
 MONK AND DAGGER BREWING COMPANY LLC
- Jan 2013 - Jul 2018**      **Foreign Service Officer**      Caracas, Venezuela · Washington, D.C. (USA)  
 U.S. DEPARTMENT OF STATE
- Advised senior and Washington-based officials on matters related to Latin America.
- May 2007 - Jan 2013**      **Communications Officer**      USA · Afghanistan  
 U.S. MARINE CORPS
- Led and managed organizations of Marines ranging in size from 55 to more than 100 individuals, including a unit geographically dispersed across an entire continent.
  - Designed and supervised the installation, operation, and maintenance of the radio and satellite network architecture carrying all communications (data, phone, and radio) for multiple military operations, including a network responsible for all communications in the southern region of Afghanistan during active NATO combat operations.
  - Responsible at times for equipment worth more than \$13 million.

## Skills

---

- Programming Languages**      Java · C · Python · VHDL · Matlab · Bash (Shell Script)
- Operating Systems**      Windows · Linux · MacOS
- Simulation**      Matlab/Simulink with Simscape · LTSpice
- SysAdmin**      OpenSSH · UFW Firewall · XRDP Remote Desktop Server
- Other Skills**      Soldering · LaTeX/CircuiTikz · AutoDesk Eagle · Git · Jira · Confluence · Mendeley Reference Manager
- Soft Skills**      Public speaking · Teamwork · Leadership · Multicultural environments
- Languages**      English (Native) · Portuguese (Fluent) · Spanish (Fluent) · German (Beginner)



Hamburg  
 2021-02-22