Victor Kjelde

🏠 Åparken 1, 2. 11, 8000 Aarhus C
✉ victor@kjelde.dk
📞 +45 21 45 78 70
🎂 31. Aug 1998
in linkedin.com/in/victor-kjelde

Education

2021 - 2023
M.Sc. Computer Science
Aarhus University

2018 - 2021
B.Sc. Computer Science
Aarhus University

2015 - 2018
Mathematics/Physics
HTX Skive College

Software skills

Proficient
Java – Golang – Python – Git – Docker
Familiar
C++ - JavaScript/TypeScript – Junit – C – C#

Personal skills

- ✓ Organized
- ✓ Punctual
- ✓ Good at cooperating
- ✓ Detail-minded
- ✓ Quick learner
- ✓ Dutiful
- ✓ Planning and executing

Language skills

- ✓ Danish – Native language
      - Written and oral
- ✓ English – Fluently
      - Written and oral

Resume

Software developer with some experience and a drive for clean code. In my spare time, I like to fiddle with different software projects, other hardware projects, and hanging out with friends. Currently, I'm studying for a master's degree in computer science at Aarhus University with specialization in Algorithms, Cryptography, and Ubiquitous Computing and Interaction. My master's thesis is centered on light-weight cryptography, which entails the development/analysis of cryptographic algorithms and protocols optimized for efficiency in computation, memory usage, power consumption, and code size.

Software Projects

Electronic voting system

For my bachelor project, I developed a system for doing electronic voting safely in Golang. Using cryptographic techniques like ElGamal encryption scheme and secret sharing scheme to ensure confidentiality.

Discord Bot

Developed a Discord Bot using JavaScript for me and my friends to use. Implemented a music player into the bot, by fetching music using YouTube. With support for Spotify by fetching metadata using the Spotify API, then search YouTube with the fetched data.

Omnidirectional RC car

As a final exam project at HTX, I created an RC car that used Mecanum wheels, and an Arduino development board as a brain. Controlling the robot with Bluetooth through an app I developed for the purpose.

Battery testing device

During my time at Libratone A/S, I developed a device for testing the battery capacity of speakers for use in the service and the development department. Created using an Arduino development board by measuring the current running through a shunt resistor, and a screen for the UI.

Deep learning for Medical Image Segmentation for detecting Pneumonia

Developed and trained a deep learning model to predict and segment potential pneumonia infections in X-ray images. The U-net model was trained using X-ray images with bounding boxes describing where the pneumonia is located.

Interests

Sport

I like going to the gym and enjoy a good walk. It's a great way for me to get out in nature and away from the computer. The perfect walk is with a good audiobook in my ears.

Software development

Software and creating stuff is a big passion of mine. I enjoy trying new things and creating things I can use. From designing and creating a smart mirror to developing a Discord bot for my friends and me.

Friends

Hanging out with friends is a big part of my free time. As it makes me happy when I get to spent time with friends. Hence, I often take care of coordinating and plan vacations and events for us.

Gaming

I relish playing computer it is a great way for me to keep in touch with old friends, now that we are no longer living near each other.

Experience

2021-Present	○	**Systematic A/S, Aarhus** Junior Software developer
2014-2018	○	**Libratone A/S, Skive** Software developer and Warehouse worker
2016-2018	○	**Skive Floorball, Skive** Floorball coach for a youth team and trainer certificate
2015-2016	○	**Café Holmen, Nykøbing Mors** Dishwasher and Kitchen helper