

# JUHO YLÄ-JÄÄSKI

Computer Science student at Aalto University

## PROFILE

I am a motivated and hard-working fourth-year computer science student at Aalto University starting my studies as a master's student in Machine Learning, Data Science and Artificial Intelligence. I have a strong background in programming, mathematics, and physics, furthermore, I am interested in developing my skills in Machine learning. Great concentration and getting along with different types of people are some of my assets.

## EDUCATION

Aalto University School of Science

Computer Science

📅 August 2019 – Present 📍 Espoo, FI

- 195 credits GPA: 4.41/5.0

Aalto University School of Science

Engineering Physics

📅 August 2016 – July 2018 📍 Espoo, FI

## EXPERIENCE

Research Assistant (Summer job)

HUS (Helsinki University Hospital)



📅 May 2020 – October 2020 📍 Helsinki, FI

- I worked as a research assistant in a project where we were trying to optimize TMS-treatment (Transcranial magnetic stimulation) for patients with depressive disorders. My job was to optimize the location and the orientation of the coil so that the treatment is as effective as possible.
- I developed MATLAB tools for the optimization.

Summer job

VimAI Ltd



📅 June 2019 – August 2019 📍 Espoo, FI

- VimAI Ltd constructs indoor navigation systems applying computer vision techniques. During my summer job, I tested the functionality of the navigation system and the accuracy of tracking the location. In addition, I sought to discover solutions to improve accuracy.
- I constructed 3D-models of indoor areas by taking a lot of pictures. These pictures were passed to the navigation system. The results were analyzed with MATLAB.

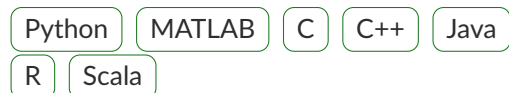
## DETAILS

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## TECHNICAL SKILLS

Programming



Operating systems



Other



## HOBBIES

Ball games especially golf have been my passion for a long time. I have accomplished many of my greatest achievements playing golf such as placing in third place in under 18-year-olds Finnish Championships. Furthermore, I often go to the gym and play badminton with my friends.

## LANGUAGE SKILLS

**Finnish:** First language  
**English:** Excellent  
**German:** Basics  
**Swedish:** Basics