

Kwasi Akuamoah Boateng

University of Tartu - MSc. Robotics and Computer Engineering
Tartu, Estonia
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3 years experience in ROS • 3 years experience in python, C++ • Hardworking and dedicated IT professional

EDUCATION

UNIVERSITY OF TARTU

MSC. ROBOTICS AND COMPUTER
ENGINEERING

Expected June 2023 | Tartu, Estonia
Cum. GPA: 4.4 / 5

AALTO UNIVERSITY

MSC. AUTOMATION AND ELECTRICAL
ENGINEERING

August 2022 - Dec 2022 | Tartu, Estonia
Semester Abroad

UNIVERSITY OF TARTU

BSC. SCIENCE AND TECHNOLOGY
MAJOR: ROBOTICS
2018 - 2021 | Tartu, Estonia

CERTIFICATIONS

SOLIDWORKS PROFESSIONAL

August 2022
Mechanical Design

SKILLS

- Programming Languages:
 - C++
 - MATLAB
 - Python (Numpy, Pandas, TensorFlow2, Keras, Pytorch)
- Robot Operating System (ROS) 1 & 2
- CAD:
 - SolidWorks • Fusion 360 • AutoCAD
- 3D printing
- IoT development:
 - Arduino • Raspberry Pi • ESP32
- Linux
- Git
- Machine Learning & AI
- Agile development methodologies
- Web development:
 - MySQL • HTML • JavaScript

LANGUAGE SKILLS

ENGLISH - C1
FRENCH - A2

EXPERIENCE

UNIVERSITY OF TARTU | RESEARCH ASSISTANT (FREELANCE)

June 2022 – August 2022 | Tartu, Estonia

Collaborative Robotics and Robotic Computing Group

- Experience in working with various sensors: LiDAR, Realsense depth-sensor Camera, Motor Encoders, Inertial Measurement Unit (IMU)
- Generation of datasets for various machine learning projects.
- Implemented a control algorithm to fly the Parrot Anafi drone autonomously.

UNIVERSITY OF TARTU | INTERN

October 2020 – June 2021 | Tartu, Estonia

IMS Robotics Lab

- Designing various 3D models in SolidWorks
- ROS Gazebo custom environment development, URDF/xacro and XML programming.
- Working with a variety of robots, including but not limited to TurtleBot 3, UR5, and ClearPath Jackal.

PROJECTS

PREDICTING GYM VACANCY

December 2022 - January 2023

ROS MOBILE ROBOT FROM SCRATCH

May 2022 - August 2022

BASKETBALL ROBOT

October 2020 - January 2021

AWARDS

2021 3rd prize, UT Delta X 2021 - Autonomous Drone Competition

RELEVANT COURSEWORK

Master's

- Computer Vision
- Introduction to Autonomous Driving
- Reinforcement Learning
- Optimization for Robot Control
- Neural Networks
- Project in Competitive Robotics
- Basics of Sensor Fusion