KWASI AKUAMOAH BOATENG

ROBOTICS ENTHUSIAST

CONTACTS
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SUMMARY

I am a robotics enthusiast pursuing a master's degree in robotics and computer engineering at the University of Tartu. I am motivated to help develop the next generation of complicated robotic systems. I have practical experience in autonomous navigation for mobile robots and manipulator robot programming. I adapt easily to dynamic and multicultural environments.

SKILLS

- Programming Languages
  - Python
  - MATLAB
  - C/C++
- Robot Operating System (ROS)
- CAD
  - SolidWorks
  - Autodesk Fusion360
  - AutoCAD
- 3D Printing
- Machine Learning & AI
- Complex problem solving
- Fast learner
- Stress toleration
- Ability to work in a team

LANGUAGES

English - C1
French - A2

WORK EXPERIENCE

Research Assistant (Freelance)
University of Tartu, Estonia | 2022

- Drone Control Analysis
  - Setting up a motion capture system to gather roll, pitch and yaw data of drone.
  - Measurement error analysis by comparing drone's sensor data to motion capture data.

Project Intern
University of Tartu, Estonia | 2020-2021

- Developed simulation models for the IMSRobotics research lab.
  - Creation of CAD models using SolidWorks
  - Exporting 3D models to use in ROS Gazebo simulation software.
  - Multi-robot programming in ROS.
  - Testing 3D models of robots and environment in Gazebo

EDUCATION HIGHLIGHTS

Aalto University, Finland
MSc. Automation and Electrical Engineering | 2022-Present (Exchange Studies)

University of Tartu, Estonia
MSc. Robotics and Computer Engineering | 2021-Present

- 3rd place, DeltaX Autonomous Drone Competition

University of Tartu, Estonia
BSc. Science & Technology | 2018 - 2021
Major: Bioengineering & Robotics

- Thesis, Digital Twin of a Teaching and Learning Robotics Lab
- Team member, DeltaX Robot Basketball Competition

University of Energy & Natural Resources, Ghana
Completed 3/4 academic years towards B.Sc. Mechanical Engineering | 2015-2018