EIRIK KVALHEIM

Automatician, Mathematician & Robotics Engineer

PROFILE

Creative and curious entrepreneur with a sharp talent for combining theory and practice, especially within science and technology, but also in education and leadership. Full of initiative, responsible, and goal oriented. Love solving complex challenges and abstract these to unknown levels where our imagination can take us on new exciting voyages of discovery

CONTACT

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Oslo

ABOUT ME

Born: 23.05.1991
Driver Licenses: A, B, C, T
Language: English & Norwegian
Marital Status: Hopelessly confused

INTERESTS

Self-Development   Reading

Entrepreneurship   Chess

Networking   Art

Robotics   AI

Self-Driving   Motorcycles

Mathematics   Education

EDUCATION

University of Oslo (UiO), Mathematics & Informatics
8/2017 – 6/2020, Started freely-composed bachelor's degree

Jessheim College, Science courses
8/2014 – 6/2016, Part-time, Calculus, Physics, Chemistry

Norwegian armed forces technical officer school
8/2011 – 6/2013, Leadership, optics, various military courses

Horten College, Automatician
8/2009 – 6/2011, Automation, certification as Welder

Færder High School, CNC Operator & Welder
8/2007 – 6/2009, Technic and industrial production, Industrial Engineering

REFERENCES

Professor in Medical Robotics at Institute for Informatics (UiO) and Head of Technology Research at The Intervention Centre, Oslo University Hospital, Rikshospitalet
+47 91171790, Ole Jakob Elle

Kuben Yrkesarena, Department leader Robotics
+47 97503475, James Fox

Wago Norway, Leader Automation
+47 97195836, Torgeir Sundet

Associate professor at the Department of Technology Systems (UiO) and Senior researcher at the Norwegian Defense Research Establishment Section for autonomous systems
+47 97591101, Kim Mathiassen

SKILLS & COMPETENCIES

| ROS | C++ | Python | MATLAB | Java | SolidWorks/Edge |

| Leadership and Management | G4 | Mathematical Modelling |

| Mobile Robots | Machining of Metal | Siemens S7 | Welding |

| Troubleshooting | Complex Automated Systems | Analysis |

EXPERIENCE

Started work on my own company, Super exciting stuff
February 2021, Stealth mode

Offshore, Instrument Technician / Automatician
7/2020 – 10/2021, Various offshore installations on the Norwegian shelf. Work with tubing, commissioning, Ex control, well building & converting

Wago Norway, Automation/Cybersecurity Internship
6/2019 – 8/2019, Made a hardware communication protocol between Elan and Modbus. Primarily the work revolved around coding the checksum generator for verification of uncorrupted packages

Kuben Yrkesarena, Robotics Specialist
8/2018 – 6/2019, Developed a new VG3 (upper secondary) course called AMOR, for a new robotics education at Kuben yrkesarena, a highly successful forwardly thinking trade school in the middle of Oslo, Norway. I also worked on improving the whole 3-year education by optimizing course choices, coordination between courses and build up to the new VG3 course AMOR - Applied Mathematics and Robotics

University of Oslo, Assisting Robotics Specialist – Control of Manipulators and Mobile Robots – TEK4030
6/2018 – 1/2019, Working at the Institute of Technology systems as a Robotics Specialist, I held work sessions and robot labs where we used ROS on 6DOF robots as well as mobile ground robots. The work sessions and labs were a supplement to the lecturers held by Kim

University of Oslo, Assisting Team Leader/Lecturer – Introduction to Robotics – INF3480/INF4380
1/2017 – 6/2018, Bachelor and master course; here I used my practical experience as an Automatician to draw the threads between practice and theory. I led a team of TA's developing assignments for students, hosted labs and work sessions with lecturing. The work sessions and labs were a supplement to the lecturers held by Ole, and occasionally me

RobotNorge, Robot Technician
8/2016 – 1/2017, Programming and installment of industrial ABB robots in factories and production cells, including Robotic Welding cells

NoIsolation, Robot Technician
3/2016 – 6/2016, Soldered, 3D printed, and built the first AV1 robots which help long term ill children be a part of school, society, and everyday life

Zentio, Software Developer
5/2014 – 2/2015, Project – logistics program and production system

Lilleborg, Automatician
7/2013 – 4/2014, Apprenticeship, made PLCs for production lines

Skiltprodusenten, Mechanical Apprentice
4/2007 – 4/2008, Welding MIG & TIG Aluminum, sheet metal working. Chandelier in the Opera in Oslo