

YERONIS ASSEFA HUBENA

ARTIFICIAL INTELLIGENCE ENGINEER | COMPUTER VISION | SOFTWARE DEVELOPMENT

+47 973 94 674 | yerohubena@gmail.com | Norway | LinkedIn: yeronis-assefa-hubena-35937126a

PROFILE

Artificial Intelligence Engineer with an MSc in Artificial Intelligence and a BSc in Software Engineering from the University of Agder. Background in computer vision, deep learning, reinforcement learning, machine learning and software development, with experience applying AI to real-world technical systems. Hands-on work spans AI-assisted 3D concrete printing, underwater image analysis, predictive modelling, face recognition and application development. Combines technical problem-solving with teaching, communication and independent business initiative, including establishing supplier relationships between Ethiopia and Norway.

TECHNICAL SKILLS

Programming	Python, C++, C, C#, Java, JavaScript
Artificial Intelligence	Machine Learning, Deep Learning, Computer Vision, Reinforcement Learning, Predictive Modelling
Data & Engineering	Image Processing, Data Annotation, Geometric Analysis, Model Training & Evaluation, Git, Linux/Ubuntu
Current Technical Development	Arduino, sensor/serial integration and introductory ROS2 experimentation

SELECTED TECHNICAL PROJECTS

AI-Assisted 3D Concrete Printing | Mechatronics Innovation Lab (MIL)

Applied AI and computer-vision methods to a physical 3D concrete-printing system. Worked with camera recordings, image extraction and annotation, model development for identifying cement/concrete, testing, and geometric width analysis to support evaluation of printing quality and accuracy.

Underwater Fish Deformity Analysis | Computer Vision

Used underwater-camera imagery, computer vision and geometric analysis to investigate visible deformities in fish and extract relevant structural characteristics from images.

Face Recognition Attendance Prototype | Computer Vision

Developed a prototype using face recognition for classroom attendance and considered the privacy limitations and responsible use of biometric identification.

Reinforcement Learning Ping-Pong Agent

Built a reinforcement-learning project in which an agent learns behaviour through interaction, actions and reward feedback.

Predictive Machine Learning Projects

Developed experimental models for stock-market prediction and breast-cancer classification, including preprocessing, model training and evaluation.

Health Tracking & Web Applications

Developed application and website projects combining software engineering, data handling and user-focused design; considered appropriate limits for AI when working with health-related and sensitive information.

PROFESSIONAL EXPERIENCE

AI Intern | Mechatronics Innovation Lab (MIL) 2023

- Contributed to AI and machine-learning work for research into 3D concrete printing.
- Built and annotated datasets, developed and tested models, and performed image/geometric analysis.
- Worked in a research-driven, multidisciplinary technical environment.

Online Tutor - Mathematics & Programming | Superprof 2021 - Present

- Teach mathematics and programming, including Python and C#, adapting explanations to different skill levels.
- Developed strong technical communication and the ability to explain complex concepts clearly.

ENTREPRENEURIAL INITIATIVE

Founder / Independent Business Initiative | Norway - Ethiopia

Developing an early-stage coffee-import initiative connecting Ethiopian suppliers with the Norwegian market. Established a supplier relationship in Ethiopia and is exploring packaging, roasting and distribution partnerships in Norway. The initiative has involved direct supplier communication, relationship building, commercial discussions and early-stage business development.

EDUCATION

Master of Science in Artificial Intelligence | University of Agder | 2024

Bachelor of Science in Software Engineering | University of Agder | 2021

ADDITIONAL EXPERIENCE

Additional professional experience in personal assistance, childcare and hospitality. These roles strengthened responsibility, adaptability, interpersonal communication, organisation and the ability to work effectively with people in varied environments.

LANGUAGES

Amharic - Native | **Norwegian** - Fluent | **English** - Fluent