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# Engineer in intelligent reliable systems with passion for water and electrical systems

Hearing about the great work you do at MacArtney (among others from Peter Hansen, who works as a ROTV technician in the Workshop), and also having worked on my bachelor's thesis in your indoor testing pool, I got to know MacArtney and the projects you are working on.

I am really impressed with your activity and accomplishments, and I believe my international mindset and competences can add value to the team. Designing, testing and implementing electronics equipment are some of the responsibilities I can conduct with success.

## Educated in electronics design, automation, and software development

Your needs and my education are a great match!
When it comes to control, design, and automation products, my university programme focuses on intelligent control systems for robotics and industry while including reliability engineering. It goes deep into different control methods, but perhaps most relevant to MacArtney is my knowledge about electronics design, advanced control engineering, fault detection and reliability engineering which I put into practice in e.g. my master's thesis. More generally, my studies have also included automation, general and underwater robotics, and programming, giving me a good basis for project design and execution, which will be useful in this job.
Focus on design, modelling, and control of underwater vehicles have been part of both my bachelor's and master's, and since the projects were programmed in C#, C, C++ and Python, you will also get an experienced programmer.
In my research assistant job, I used my communication and precision skills to make sure everything was processed accurately and correct, when I published a paper on underwater robotics and design of a new controller for the VideoRay Pro 4 based on my bachelor's thesis.

## Experienced project leader and programming nerd

You will get a pragmatic project manager. I have proactively taken responsibility and managed projects and hectic deadlines both in my studies and in my work as Project Coordinator in R&D LifeCraft Electronics at Viking Life-Saving Equipment. Balancing both my studies, student jobs and volunteer jobs, I am used to working in a fast pace. I am experienced with the maritime standards and building hardware/software for that challenging environment.
At Viking, I independently worked on finding the best solutions, at times with external suppliers. Some of my responsibilities involved ensuring that technical requirements were fully met, and I also worked on testing both in-house and in offshore sea trials.
Further programming experience comes from working for Samey automation centre in Iceland, with programming PLC, HMI and Fanuc robots for many different industrial applications. Bringing the above together, you will get an experienced engineer with fresh theoretical and practical skills to help develop and deliver the best technical solutions at MacArtney.

## Efficient and reliable

In terms of personality and working style, I ultimately make sure that what needs to get done, is done.
I am driven, independent and analytical in my work as well as an adaptable team player, and with my international background, I will easily fit in to your international culture.
I'm the kind of guy who always helps and act as technical support if needed. As a service-minded and customer-centric person, I always made sure that everything ran smoothly in my job at Old Irish Pub, while I, colleagues, and customers had a nice time. I value having a friendly and humorous relationship with my colleagues.

You will get an employee who finds the tasks interesting and challenging, and who contributes to a fun and dynamic environment.

I would be very happy to discuss this further and I look forward to hearing from you.

Sincerely,
Vilmar Haraldsson