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Dear admissions officer,

My name is Dr. John Hancock (BJU BS '99) and I am an Professor at Reykjavík University in the Department of Stuff. I have been teaching at this university for 12 years in the areas of Divine intervention.

I have known Katrín Jakobsdóttir for 3 months. Katrín has completed Mechatronics 1 in 2023 and excelled with a grade of $X \rightarrow Y$ **FiXme Fatal: Fill in grade.** out of 10. She ranked Z out of ZZ in the class. **FiXme Fatal: Fill in rank.**

She had an excellent grasp of the very challenging and interdisciplinary material which draws from computer science, electrical engineering, and mechanical engineering. The course's curriculum is based upon the material of Blum [1] and has these learning outcomes:

- Understand digital and analog communication interfaces such as wireless networks
- Program a microcontroller using an appropriate language to read sensors and control actuators.
- Create schematics and layout PCB boards using ECAD tools
- Assemble and solder components to build working smart devices
- Understand actuator and electronics specification sheets
- Write in a research notebook properly for international-quality research
- Collaborate effectively using version control tools such as Subversion or Git
- Design smart devices effectively using Axiomatic Design [3, 2, 4].

FiXme Fatal: Fill in a summary of the group project, at least a paragraph. Her team built *something that accomplishes this goal*. This project required them to *solve these interesting problems and challenges*. To solve it, they had to *do things that solved those problems and overcame those challenges*. The final result was able to do *this capability*. The project was well thought out, well implemented, and properly documented in a presentation.

FiXme Fatal: If you wish to talk about two courses, repeat the previous two paragraphs with the new information.



FiXme Fatal: Fill out individual information, at least a paragraph *Katrín* has *characteristics*. She has shown *characteristic 1* by *doing something*.

FiXme Fatal: Add the part makes the recommendation believable (and not generic). Be as detailed as possible. She has *area of improvement*. She is *improving them* by *doing ...*

To summarize, I would highly recommend *Katrín* for her proposed graduate studies in Robotics. She has mastered the fundamentals necessary for research in this field including giving proper respect to the gods of the magic blue smoke which live in electronics.

If you have further questions, I can be contacted at +354-555-5555, johnhc@ru.is, skype at foo and MS Teams.

Kind regards,

John Hancock

References

- [1] Jeremy Blum. *Exploring Arduino: Tools and Techniques for Engineering Wizardry*. First Edition. John Wiley & Sons, 2013.
- [2] David Cochran et al. “Using Collective System Design to Define and Communicate Organization Goals and Related Solutions”. In: *Journal of Enterprise Transformation* 7 (Apr. 2017). DOI: 10.1080/19488289.2017.1339746.
- [3] Nam Pyo Suh. *The Principles of Design*. Oxford University Press, 1990.
- [4] Nam Pyo Suh, Miguel Cavique, and Joseph Timothy Foley, eds. *Design Engineering and Science*. Springer Nature, 2021. ISBN: 978-3030492311.