Jacob Pihl

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Work Experience

Aug 2019 – May 2020 **Systems Developer**, *Diadrom*, Gothenburg.
- **Aug 2019 - Mar 2020**: Front end developer consultant at Volvo IT. Developing a multi-platform diagnostics application for trucks using web technologies. Project organization was SAFe and DevOps was used for continuous integration and deployment. (HTML, CSS, TypeScript, Polymer)

Mar 2015 – May 2017 **Programming Teacher**, *Halmstad City & Halmstad University*, Halmstad.
- Taught kids and adults how to program using Scratch in cooperation with Halmstad City.

Sep 2015 – Nov 2015 **Programming in Java T.A**, *Halmstad University*, Halmstad.
- Teaching assistant during computer labs in the Programming in Java course.

Education

2017–2019 **Master of Science in Engineering, Computer Science & Engineering**, *Halmstad University*, Sweden.
- **Thesis:** Robotic exercise coach using Deep Learning technologies and machine learning. (Python, Tensorflow, ROS)

Feb 2018 – Jul 2018 **Exchange Student MSc Computer Science & Engineering**, *Taiwan National University of Science and Technology*, Taiwan, 87/100 GPA.

Sep 2017 – Jan 2018 **Exchange Student BSc Computer Science & Engineering**, *Korea University*, South Korea, 80.5/100 GPA.

2014 – 2017 **BSc with a major in Computer Science & Engineering**, *Halmstad University*, Sweden.
- **Thesis:** Comparison of Computer Vision Algorithms. (Python, OpenCV, MATLAB)

Language skills

Native Swedish speaker, fluent in English and intermediate Mandarin Chinese.

Technical skills

Main Programming/Scripting Languages (Intermediate 1-3 years): **Java, JavaScript, TypeScript**
Other Programming/Scripting Languages (Basic < 1 year): **C#, Python, Dart**
Other: **Git, DevOps, SAFe, Scrum, CI/CD**
Publications: **Exercising with an "Iron Man": Design for a Robot Exercise Coach for Persons with Dementia**

References

Portfolio: **GitHub**