

Jacob Pihl

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Work Experience

- Aug 2020 – **Systems Developer, Swegon, Gothenburg.**
Present
 - **Jun 2021 - Present:** Part of the core developer team for Swegons new Blazor-based design tool meant to replace the old legacy one. Helped develop the new tool from scratch all the way to official release. (Blazor, .Net, Web, Azure)
 - **Aug 2020 - May 2021:** Worked on Swegons now-legacy React-based HVAC design tool. Optimized and improved performance of the app, making it 10x faster than previously. (Web, React, Typescript)
- Aug 2019 – **Systems Developer, Diadrom, Gothenburg.**
Jun 2020
 - **Aug 2019 - Mar 2020:** Front end developer consultant at Volvo IT. Developing a multi-platform diagnostics application for trucks using web technologies. Agile workflow with DevOps was used for continuous integration and deployment. (Web, TypeScript, Polymer)
- Mar 2015 – **Programming Teacher, Halmstad City & Halmstad University, Halmstad.**
May 2017
 - Taught kids and adults how to program using Scratch in cooperation with Halmstad City.
- Sep 2015 – **Programming in Java T.A, Halmstad University, Halmstad.**
Nov 2015
 - Teaching assistant during computer labs in the Programming in Java course.

Personal Projects

- Contributor **TabBlazor**, <http://tabblazor.com>, Sweden.
 - Helped with major contributions to TabBlazor, an open source component library for Blazor. (Blazor, .Net, Web)
- Creator **Web-based sauna booking tool, Independent, Sweden.**
 - Created a web-based booking tool for the community sauna at my parent's summer house. Used Trello for organization. (Web, Python, SQL)

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 – **Exchange Student MSc Computer Science & Engineering, Taiwan National University of Science and Technology, Taiwan, 87/100 GPA.**
Jul 2018
- Sep 2017 – **Exchange Student BSc Computer Science & Engineering, Korea University, South Korea, 80.5/100 GPA.**
Jan 2018
- 2014 – 2017 **BSc with a major in Computer Science & Engineering, Halmstad University, Sweden.**
 - **Thesis:** Comparison of Computer Vision Algorithms. (Python, OpenCV, MATLAB)

Other

Speaks Swedish, English and intermediate Mandarin Chinese.

Main Programming/Scripting Languages (Intermediate 1-3 years): **C# .Net, TypeScript**

Publications: **Exercising with an "Iron Man"**

References

Portfolio: [GitHub](#)

Work: [LinkedIn](#)