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# CARL IGELSTRÖM

## JAVASCRIPT DEVELOPER

<https://www.carlw.se>  
<https://github.com/ugglr>  
<https://gitlab.com/ugglr>

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### SKILLS

- **Front-end:** React, React Native, React-native-web, Redux, Gatsby, React-Navigation, Styled-Components, Fetch, Axios, Superagent
- **Back-end:** Node.js, Express.js, Mongoose / MongoDB, REST, GraphQL, Apollo Server, bcrypt

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### PROFESSIONAL EXPERIENCE

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|---|---|------------------------------|
| <b>JavaScript Web &amp; Mobile Developer</b>  | <b>Tiket.com, Vancouver, CA REMOTE</b>    | <b>Aug. 2019 – present</b>   |
| <ul style="list-style-type: none"><li>• JS Engineer, part of the Events B2B/Partner Team, using React, React-Native &amp; React-Native-Web.</li><li>• Part of re-hauling the internal engineering workflow, cutting countless of hours by implementing a cross-platform documented, UI library to be used in mono repos and React-Native-Web.</li></ul>       |   |                              |
| <b>Senior Hardware Engineer</b>   | <b>Mutian Robotics, Hangzhou, CN</b>      | <b>May. 2019 – Jul. 2019</b> |
| <ul style="list-style-type: none"><li>• Develop robot power management, motor drive, ARM micro-controller control system hardware;</li><li>• Complete the device selection, schematic diagram, PCB design, hw debugging &amp; testing;</li></ul>  |   |                              |
| <b>Exp. Electronics Engineer</b>  | <b>Axis Communications, Lund SWE</b>      | <b>Sep. 2015 – Jan. 2019</b> |
| <ul style="list-style-type: none"><li>• PCB Electronics; Analogue/Digital mixed Schematic Designer, New Product innovation. (PADS Vx)</li><li>• Agile hardware testing workflow expert; Kanban, Scrum, Jira, MS Teams Tech. support.</li><li>• Product Life-cycle Management (PLM: Windchill) Super User, future feature group &amp; Tech. support.</li></ul> |   |                              |
| <b>Software Engineer Intern</b>   | <b>Wayne, GE Oil &amp; Gas, Malmö SWE</b> | <b>Jun. 2014 – Sep. 2014</b> |
| <ul style="list-style-type: none"><li>• Developed automated production HW tests using Labview, Machine Vision and Machine Learning.</li><li>• Executed prototype plans for automated sensor calibration rig, Bench and equipment sourcing.</li></ul>  |   |                              |
| <b>Embedded Software Engineer Intern</b>  | <b>Electrolux, Shanghai CN</b>            | <b>Jun. 2012 – Aug. 2012</b> |
| <ul style="list-style-type: none"><li>• Prototype development &amp; Embedded Linux programming. UX/UI Study: Design of Android application</li></ul>  |   |                              |

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### EDUCATION

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| <b>MSc. Electrical Engineering</b>   | <b>Lund University. Lund, SWE</b>  | <b>Fall 2009 – Fall 2015</b> |
| <ul style="list-style-type: none"><li>• <b>Specialization:</b> Design of Processors and Digital Systems (SoC); China Profile.</li><li>• <b>Graduate Coursework:</b> Structured VLSI Design on FPGA (VHDL+Xilinx), Digital IC-Design (CMOS), DSP-Design, MEMS Fabrication on Silicon, Integrated AD/DA converters, Advanced Analogue Amplifiers</li><li>• <b>Undergraduate Coursework:</b> Analogue and Digital Electronics, Mathematics, Physics, Numerical Analysis, Statistics, Databases &amp; Algorithms in Java, Digital Signal Processing, Java Fundamentals.</li><li>• <b>Exchange:</b> Zhejiang University, Hangzhou China, half year special program for civil engineers.</li></ul> |                                    |                              |
| <b>Mandarin &amp; Chinese Culture</b>  | <b>Zhejiang University. HZ, CN</b> | <b>Aug. 2012 – Aug. 2013</b> |
| <ul style="list-style-type: none"><li>• Chinese Language and culture exchange. HSK 4 equivalent.</li></ul>   |                                    |                              |

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### PROJECTS

- **Tiket.com Events B2B Platform:** Web+iOS+Android: Mono-repo using React-Native-Web and React Native. Redux. Backend: REST API.
- **Tiket.com Cross-platform UI:** Built organization wide Cross-Platform UI Library for React & React Native Web. Storybook documentation site. Enzyme component testing.
- **OSS:** Gatsby Official Starter, REST-EXPRESS BE Boilerplate, GraphQL-EXPRESS BE Boilerplate (see GH)
- **Hardware Design:** Axis P8815-2, Axis P7304, Axis Q1659, Axis Q3708-PVE

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**Languages:** English: Full Professional Proficiency. Chinese: Professional Proficiency. Swedish: Native.

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