




Jesse Schultz

Embedded Software Engineer
B.S. Electrical Engineering

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 605-237-1529

Mission Statement

I am an experienced engineer looking for my next challenge, opportunity to learn, and to make a large impact with my career

Employment History

Embedded Software Engineer – Global Engineering, Doosan Bobcat NA
May 2017 – current Bismarck ND

Full-time: May 2019 – Current

Internship: May 2017 – May 2019

Culture:

- Self managed task driven environment
- Individual responsibility and expectations for company goals

Workload:

- Work with other teams to determine tasks and provide achievable estimates of the integration timeline
- Design, write, and test software packages in multiple languages and toolsets
 - Embedded HMI work (gui):
 - **Linux/C++/Qt/QML** – Full working machine touch display
 - **Linux/Lua with Crank storyboard** – A lightweight and budget yet performant machine display
 - Embedded Controllers:
 - **C++/C** – Use various inputs and sensors to drive machine outputs and functionality. Combining knowledge of the machine hardware and micro-controller hardware to design software to meet the necessary specified requirements.
- Deliver on-time, stable, and complete software packages to meet customer needs
- Assist test team in providing proof of stability and feature completeness

Skill sets:

- Effective communication across teams and continents
- Efficient time management and prioritization
- Technical document comprehension
- Software bug and performance analysis

Contact

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Links

[LinkedIn](#)
[BitBucket - Git](#)
[Upverter - Circuit](#)
www.schultz.pro

Skills

Leadership/Teamwork
Communication
Composure under pressure
Self Task Management

ToolSets and Competency

C/C++	★★★★★
Lua	★★★★★
Qt/QML	★★★★★
Matlab/ Simulink	★★★★☆
Git	★★★★★

More:

.Net, C#, Jenkins/Hudson,
Fusion360, Upverter, Linux/
Bash, MS Office

Shop Employee PT – Bike Shop, Scheels
August 2016 – May 2017 Fargo, ND

Workload:

- Support customer needs in a service environment
- Build, rebuild, and maintain sporting equipment

Skill sets:

- Strong customer service and communication
- Mechanical aptitude

Electrical Shop Intern – Transformer Shop, Otter Tail Power Company
May 2016 – August 2016 Wahpeton, ND

Workload:

- Inspect working transformers for flaws and identify those that need to put out of service or repaired and reissued to the field
- Repair and maintain Pole mount and ground transformers
- Understand applicable EPA regulation to properly dispose of environmentally hazardous materials in a safe way

Skill sets:

- Mechanical aptitude
- Observational skills

Education:

B.S. in Electrical Engineering – North Dakota State University
Fargo ND – May 2019
Curricular Focus: Electric Drives and Control Systems

Hobbies:

Hardware PCB design (Upverter)
Car Design
Motorcycle repair/riding
Hiking and weightlifting