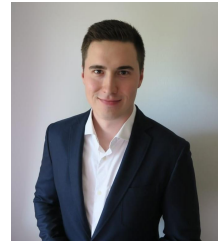


Markus Numminen

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Mechanical engineer with over 4 years of experience in R&D and product development activities. Created and managed products with 200+ individual components from concept to market launch. Skilled in 3D modeling with CAD, various manufacturing methods, and working in multinational teams.



Work experience

Mechanical Engineer, Nokia Oyj, Finland

02/2017 - Present

- Designed and developed an industrial B2B drone. Principal designer of all drone payloads, including a 3-axis gimbal (an opto-mechatronic product with visible and infrared sensing capabilities).
- Planned, conceptualized, created, and certificated products.
- Responsibilities in PDM, FEM/FEA, and GD&T topics.
- Coordinated technical aspects of outsourced projects and handled subcontractor networks.
- Defined product requirements and features, and conducted risk assessments.
- Experienced in programming languages such as python and C with tools like Matlab and Arduino.

Quality Engineer Trainee, Fortum Oyj, Finland

06/2016 - 09/2016

- Participated in the annual inspection and maintenance work of a Nuclear Power Plant.
- Primary focus on quality and inspection procedures.

Education

Master of Science, Aalto University, Finland

01/2016 - 09/2018

- Mechanical engineering. Major: Mechatronics.
- Student exchange at Czech Technical University in Prague, Czech Republic.

Bachelor of Science, Aalto University, Finland

09/2012 - 12/2015

- Mechanical engineering. Major: Machine design.

Extracurricular activities

Group Leader, SLUSH (Major Nordic start-up event)

08/2016 - 12/2016

- Recruited and led a group of 11 people to be in charge of a private venue. Coordinated with other group leaders to ensure the smooth running of the event. Trained and provided feedback to members.

Corporate Relations Section Member, Aalto University Student Union

01/2016 - 12/2016

- Maintained corporate relationships with the goal of improving student employability.

Software skills

Design	Programming	Simulation	Other
PTC Creo	Python	ANSYS	Matlab
Solid Edge	C	FloTHERM XT	Mathcad
SolidWorks	C++	PTC Creo	MS Office
KiCad	Arduino IDE		G Suite

Language skills

Finnish: Native	English: Fluent	Swedish: Basics	German: Conversational
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References can be provided upon request.