

## Nikolai Bertelsen

R&D Engineer, DAMRC

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## Education

**Technology Based Business Development** - Cand. Polyt, Engineering  
Aarhus BSS Herning Btech - Aarhus University (2018 - 2020)

**Business Development Engineer**, Engineering  
Aarhus BSS Herning Btech - Aarhus University (2015 - 2018)

**Rybners Technical Gymnasium**, Esbjerg HTX  
Technology, Design & Innovation (2011 - 2014)

## Work Experience

**Danish Advanced Manufacturing Research Center (DAMRC)**  
**Research & Development Engineer**

**R&D assistant**

jul. 2020 - Present

may 2019 – Jun. 2020

Responsible for DAMRC's TapTest equipment, which is used to optimize the productivity of machining centers throughout Denmark. I attend the various R&D-projects that run at DAMRC, including research in tool stickout optimization, optimization of endmill design, and energy-saving projects related to machining

**Extrude Consult ApS**

**Co-owner**

may 2018 - Present

**COO | CAD-designer**

may 2018 - jan. 2019

**CAD-designer**

aug. 2017 - may 2018

Extrude is a young startup consultancy focusing on product development and 3D printing services. Together with the founder, I primary served customers in product development (3D & 2D CAD modelling).

As COO I was further responsible for secure daily operations running (Employee Management, Task- & Resource Allocation, etc.) A big part of the position is also product development (CAD-modelling, prototyping, DfX)

**Aarhus BSS Herning Btech - Aarhus University**

**Student instructor in CAD modeling & Additive Manufacturing basics** feb. 2017 - jun. 2019

Student instructor in Solidworks 3D CAD modeling. Responsible for an introductory lecture about AM.

**Student Instructor in Physics**

feb. 2017 - jun. 2017

I assisted the primary lector to ensure useful understanding of the curriculum, with a high focus on transforming the theory to something tangible and relatable.

**Student Instructor in Mathematics / Statistics**

sept. 2016 - dec. 2016

**Scanmek**

**Product Developer (3D & 2D CAD-design) (student position)**

aug. 2017 - mar. 2018

**Bjerrum Montage**

**Worker**

jun. 2015 - aug. 2015

**Tømrer og Snedkerfirmaet A/S Jensen & Jensen**

**Worker**

jan. 2015 - jun. 2015

**Varde Kasserne**

**Military Service**

aug. 2014 – nov. 2014

### Certificates:

Certified Professional –  
Mechanical Design (CSWP)

Certified Associate –  
Mechanical Design (CSWA)

Certified Associate -  
Simulation (CSWA-S)

Six-Sigma Red Belt

Industriel 3D-print – teknologier  
og forretningsforståelse