Curriculum Vitae, Michail Stockfelt

Co	Time	Client	Verktyg
Avalon Innovation AB	2019	Eco Log Forestry, Söderhamn – Product care of forest harvesters and forwarders. Analyse and redesign problematic articles. Metso, Sala – Structural integrity analyses for mining pumps and associated equipment	Creo Parametric Creo Simulate
	2018	Metso, Sala – Structural integrity analyses for mining pumps and associated equipment Packsize, Enköping – Development of new glueing machine for cardboard boxes.	Solidworks Inventor ANSYS
	2017	Packsize, Enköping – Development of new glueing machine for cardboard boxes.	Solidworks
	2016	Packsize, Enköping – Development of new glueing machine for cardboard boxes.	Solidworks
Boost Development AB. Gävle	2016	NITIU/Northmen, Gävle - Development of leightweight structures for drone made of superduplex stainless steel Swedish Steel Yachts, Gävle - CTO, R&D, design of boats made of stainless steel. Structural analysis, production methods, engineering and mechanical design, manufacturing documents.	Creo Parametric Creo Simulate
	2015	Swedish Steel Yachts, Gävle - CTO, R&D, design of boats made of stainless steel. Structural analysis, production methods, engineering and mechanical design, manufacturing documents. NITIU & Concordance, Gävle - Engineering design, minor projects. Cortus Energy, Kista - Mechanical design of bioga reactor and power plant. High-temperature furnace, pressure vessels, insulation, injectors, cyclones, piping, structural analysis, layout from P&ID.	Pro/Engineer Pro/Mechanica MathCAD Inventor Eurokoder
	2014	Concordance, Gävle - Engineering design, minor projects. Bruks, Arbrå - Structural analysis of steel structures for wood chip transporters. SSY, Gävle - Manufacturing documents for boat, hull structural analysis. Cortus Energy, Kista - Mechanical development of biogas plant.	Pro/Engineer Pro/Mechanica MathCAD Inventor Eurokoder SS-EN 1090
	2013	Concordance, Gävle - Engineering design, minor projects. Bruks, Arbrå - Structural analysis of steel structures for wood chip transporters. Eurocode 3. Cortus Energy, Kista - Mechanical development of biogas facility.	Pro/Engineer Pro/Mechanica MathCAD Inventor Eurokoder
	2012	ABB, Västerås - Development of rack system for power electronics. Cooling, seismic analysis. ABB, Ludvika - Teacher, FEA course. Procema, Östersund - Structural analysis of steel structure. Sandvik SMT - Structural analysis of pipe extruder.	Solidworks Pro/Engineer Pro/Mechanica MathCAD Inventor
	2011	Cortus, Stockholm - Mechanical design of bioga reactor and power plant. High-temperature furnace, pressure vessels, insulation, injectors, cyclones, piping, structural analysis, layout from P&ID. Manufacturing documentation. Sandvik SMT - Development of pilger mill, precision calibration table, vibration analysis, structural analysis of crankshaft.	Pro/Engineer Pro/Mechanica MathCAD Inventor
	2010	Calderys, Gävle - Development of water sealing for annealing oven. Sandvik SMT - Development of machines for RV2012 Structural analysies for Rejlers/Bruks-Klöckner. ABB, Ludvika - Mechanical design, product development, seismic analysis of power electronics.	Pro/Engineer Pro/Mechanica MathCAD Eurokod 1& 3 Inventor
	2009	ABB, Ludvika - Noise dampening, cooling of capacitor stacks, steel structure design, product development.	Pro/Engineer Pro/Mechanica MathCAD Eurokod 1 & 3
	2008	Forsmark - Planning, analyzing, designing and documenting equipment for a nuclear power plant. OKG/GE - Mechanical design of submarine robot for destruction of obsolete reactor components. Sandvik - Structural analysis of steel constructions, vibration analysis of pilger mill.	Pro/Engineer Pro/Mechanica Inventor PTC/Windchill MathCAD TurboCAD
	2007	Forsmark - Planning, analyzing, designing and documenting equipment for a nuclear power plant. Sandvik - Design of portal robot and equipment for steel processing plant.	Pro/Engineer Pro/Mechanica Inventor

Co	Time	Client	Verktyg
Stockfelt Utveckling, Gävle		Blount, Söderhamn - Redesigned forest harvester.	MathCAD TurboCAD
	2006	BT Products, Mjölby - Mechanical design of forklift trucks. Product care, ie. solving problems and implementing changes to reported issues with products. Structural analysies, design, developing manufacturing documentation and methods. Structural analysies for Rejlers/Bruks-Klöckner.	Mechanical Desktop, MRP Pro/Engineer MatrixOne
	2005	BT Products, Mjölby - Mechanical design of forklift trucks. Product care, ie. solving problems and implementing changes to reported issues with products. Structural analysies, design, developing manufacturing documentation and methods.	Mechanical Desktop, MRP Pro/Engineer MatrixOne
	2004	Studies, Chalmers - Various courses in thermodynamics, mathematical, programming.	
GESAB Engineering AB, Stockholm	2003	Studies, Chalmers - Took a year off for studies in thermodynamics, mathematical, programming. Siemens Elema, Solna - Design of intensive care ventilators.	Solidworks SmarTeam
	2002	Siemens Elema, Solna - Design of intensive care ventilators. Pallsafe, Stockholm - Structural analysis Personal Chemistry, Uppsala - Mechanical design of explosive laboratory equipment. Sanmina SCI, Älvsjö - Design of telco equipment. Taught Pro/E in Scotland for a week. FLIR Systems, Danderyd - Design of electronics casings in moulded plastics.	Pro/Engineer Pro/Intralink ANSYS Solidworks SmartExpress
	2001	SWEMA, Farsta - Design, calculation and injection molding analysis of parts for measuring tool. Datex Ohmeda, Solna - Design of intensive care ventilators and associated molded components.	Pro/Engineer Pro/Mechanica Plastic Advisor Pro/PDM
	2000	Datex Ohmeda, Solna - Design of intensive care ventilators and associated molded components.	Pro/Engineer Pro/Mechanica Pro/PDM
	1999	Datex Ohmeda, Solna - Design of intensive care ventilators.	Pro/Engineer Pro/Mechanica Pro/PDM
	1998	Datex Ohmeda, Solna - Design of intensive care ventilators. Taught civil engineers operating systems and office suites for three weeks.	Pro/Engineer Pro/Mechanica Pro/PDM
Transelectric	1997	Transelectric, Sollentuna - Design, analysis and development of lighting masts and crash-proof road equipment.	Microstation NASTRAN MathCAD
Vattenfall	1996	Vattenfall Electrotec, Vällingby - Design, analysis and development of lighting masts and crash-proof road equipment.	Microstation NASTRAN MathCAD
Cadenza	1995	Cadenza, Linköping - Built and installed PC CAD stations. Studies, LiTH - Added advanced courses	AutoCAD Windows
	1994	Studies, LiTH - Continued to a BSc Mechanical Design Engineering. Added advanced courses	
	1993	Studies, LiTH - Mechanical engineering, lightweight design.	
	1992	Studies, LiTH - Mechanical engineering, lightweight design.	
	1991	Electrolux, Motala - Assembled refrigerators at the line.	
	1990 - 1986	Technical college, Motala and Linköping - focus mechanical engineering.	
	1970 2 dec	Föddes i Västerås. Grew up in Motala, Sweden 1974-1994	

“Michail has executed his work in an excellent way, been very careful and service minded, easy to cooperate with, and very creative and rich on ideas. Thus we wish to give him our very best recommendations” - Roger Bergman, CEO Transelectric Vägbelysning.

Courses:

2014 – SBP-N, SS-EN 1090
2007 - Basic security, Forsmark
2003 - Mathematics, thermodynamics at Chalmers
2001 - Process focused design of advanced plastic products.
2000 – Ecologic design
1999 - Part design course, I-DEAS
1999 - Pro/Engineer Assembly
1998 - FMEA (Failure Mode Effect Analysis)
1998 - Pro/Engineer Drawing
1998 - Pro/Engineer Basic
1997 - Technical Sales
1996 - Working On Roads
1996 - Brief Business law

About Michail

I am a mechanical design engineer. I figure out how things should be built and create the documents for manufacturing it.

I calculate, document, choose components, build and test, plan, communicate, modify, verify and certify. I have designed remote controlled submarine industrial robots, masts, crash-proof road equipment, ventilators, gas connectors, air cleaners, ventilation fans, IR cameras, remote controls, cargo pallets, valve blocks, microwave heaters, laval nozzles, biogas reactors, calibration tables, harvesting units, more enclosures and chassis than I can remember - and cauldrons used for boiling explosive medicines...

I have designed things of steel, aluminium, ceramics and numerous polymers. The devices have been cast, injection molded, laser cut, lathed, milled, sintered, bent, welded, threaded, Teflon coated, enameled and dipped in acids and molten zinc.

I have wrought endless amounts of 3D models in computers, produced drawings, calculated and computer simulated, made structural analysies according to norms and standards, made patents, done mathematical analysis, visited manufacturers abroad, drilled and grinded, polished prototypes with a dremel, boiled alcohol in test tubes, crash-tested equipment, went courses, held courses, crawled around in giant machines and scrubbed big greasy lumps of steel with a brush.

I am in brief a wide-spectrum mechanical design engineer who runs my own business as a mechanical design consultant since 2004. I will design most anything made out of atoms, and I am fond of doing calculations and writing legible documentation.

Aside of mechanical design, CAD and calculations I also dabble with computers. I build computers, install and configure operating systems and applications, and stay updated on office suites and productivity tools, such as PDM systems, programming and web design. I strive to both have skills and access to tools that improve and simplify work as well as administering my own workstations.

I wish to perpetually rise in quality and scope of my work, and thus spend considerable effort gaining knowledge of methods, techniques and tools that benefit work. I own licenses for Pro/Engineer, Autodesk Inventor, MathCAD and others, and I purchase and study literature and standards of the trade whenever applicable.

I was born in 1970, and I am divorced with a child. When not at work, I entertain my daughter, fix cars, play computer games, lift weights or travel.

/Michail Stockfelt

PS:I do of course speak Swedish like a native, speak and write fluent English, can limp through a conversation in Greek and understand German reasonably well.