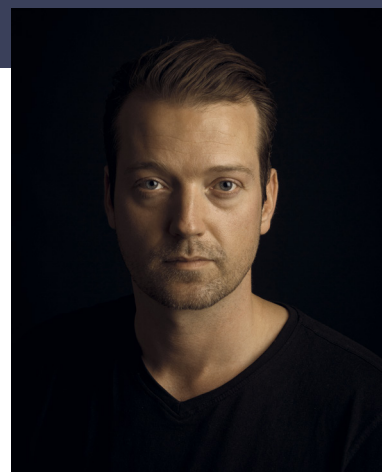


RESUME

Full Name	Dag Søggaard
Highest education	Master of Science in Biosystems Engineering
Nationality	Danish
Drivers License	B
Address	N/A
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EXPERIENCE

Process engineer

Hamburg (DE), Aug 2019 – Okt 2019

Holborn Europa Raffinerie GmbH

- Continuation of the implementation of energy management system ISO 50001
- Partake in technical problem solving and optimization as a part of the energy monitoring department unit
- Daily monitoring of total plant CO2 emissions

Petrochemical laboratory technician

Hamburg (DE), Jan 2018 – Aug 2018

SGS Germany GmbH – Oil, Gas & Chemicals

- Physical and chemical analysis of mineral oil products by international standards
- Independent laboratory work with responsibility for performing correct analytical techniques
- Creation of analysis reports in LIMS and dispatch of results to customers

Research intern in fluid mechanics

Karlsruhe (DE), Mar 2015 – Jan 2016

Karlsruhe Institute of Technology – Institute for Technical Chemistry

- Weekly participation in flame and combustion technology courses
- Study of the classic and new mathematical formulations of fluid flow
- Independently build the measuring setup for performing the experiments
- Successfully finished a detailed thesis describing fluid formulations through porous media
- Proved a new connection between material size, shape and porosity which was previously unknown

Research assistant for biomass pretreatment

Foulum (DK), May 2014 – Aug 2014

AU Foulum Research Center – The Biogas Plant

- Experimental investigation of chemical and mechanical pretreatment of straw for biogas production
- Implementation of a continuous method for chemical spray treatment of biomass waste by extrusion
- Daily sampling of treated vs. untreated biomass for TD-GC / MS analysis

Laboratory intern in sample preparation and characterization

Hamburg (DE), Aug 2012 – Jan 2013

EMBL – German Synchrotron Campus

- On the job learning in crystallization, protein expression, purification and biophysical characterization
- Calibration and operating of a MALDI-TOF Voyager mass spectrometer for protein / peptide identification
- Daily independent processing of incoming samples for crystallization from local and international scientists
- Daily laboratory work including the use of Real-Time PCR, HPLC and bacterial cloning
- Laid the groundwork for a large scale production of recombinant GroEL

Production intern for quality control

Lyngby (DK), Feb 2011 – Jun 2011

Haldor Topsoe Fuel Cell A/S

- Thickness measurement of anode paste for fuel cell production
- Constructed and tested a design which proved to improve the measurements results
- Weekly schooling in every production department of the factory

EDUCATION

Master of Science – Biosystems Engineering

Aarhus (DK), 2013 – 2016

Aarhus University – Faculty of Engineering

- Technical chemistry, industrial process engineering, fermentation technology

Bachelor of Science – Chemical and biotechnical process technology

Aarhus (DK), 2011 – 2013

Aarhus Akademie

- Biotechnology, organic chemistry, analytical chemistry

Academic degree – Process technologist

Odense (DK), 2009 – 2011

Lillebælt Akademie

- Technical chemistry, process technology, food technology

COMPETENCIES AND SKILLS

Primary competencies

Analytical chemistry, fermentation technology, fluid dynamics, chemical engineering, statistical validation, project management and organization, GMP laboratory work

Secondary competencies

Oleochemistry, emulsion technology, aroma formulation, process safety evaluation, product development

Laboratory skills

UV/VIS spectroscopy, GC, TD-GC, HPLC, potentiometry, Microbiology: cultural processes and characteristics, Microscopy, ELISA assay, MALDI-TOF-MS, real-time PCR, Process engineering distillation, fermentation, filtration, disinfection, cleaning and optimization techniques, upscaling from laboratory to pilot plant

Soft skills

Curious of nature : *continuous learning*

Philosopher : *old enough to know i dont know everything*

Teamplayer : *be a strong link in a strong chain*

Listener : *I want constructive criticism rather than unwarranted praise*

Software skills

Microsoft Word, Microsoft Access, Microsoft Visio, Microsoft Powerpoint, Microsoft Excel, Adobe InDesign CC, Matlab: Simple modeling, Autodesk Inventor: Basic Design, Minitab: Practical Experience, Labview: Practical Experience, LIMS: Practical experience, SAP: Practical experience

Standards

ISO 50001, ISO 9001, ISO 14001, DIN EN 228, DIN EN 590, ISO 8217, EN 14214

CURRENT OCCUPATION

Self employed at Saew Danish Soapery

Since Oktober 2018

www.SAEW-SOAPERY.com

- Manufacturer and seller of soaps and other cosmetics
- Materials research and product development
- Study of emulsion technology for oil in water and water in oil based cream products
- Aroma formulation
- Upscaling methods
- Chemical and physical analysis for quality control
- Documentation, labelling and batch controlling according to the international cosmetics regulations
- Marketing, design and retail

OTHER EXPERIENCE

Chef de Bar	Berta Emil Richard Schneider	Hamburg (DE), 2017
Demi Chef	Hotel Atlantik Kempinski	Hamburg (DE), 2017
Demi Chef	Restaurant MASH / Café Casablanca	Aarhus (DK), 2009 – 2014
Demi Chef	The Grille at Hoxton Hotel	London (UK), 2008 – 2009
Chef de Bar	Restaurant Olsen	Copenhagen (DK), 2006 – 2008
Demi Chef	Savoy Bar / Barfly	Oslo (NO), 2004 – 2006
Trainee	H´Butlers School of Bartending	Oslo (NO), 2003 – 2004
Host	Holmenkollen Park Hotel Rica	Oslo (NO), 2002 – 2003

LANGUAGES

Danish	Native language
English	Business fluent in written and spoken (C2)
German	Fluent in written and spoken (B2)

OTHER ACCOMPLISHMENTS

2nd place	Danish Cocktail Championship, Copenhagen (DK)	2006
6th place	Scandinavian Open Cocktail Challenge, Bordeaux (FR)	2007
1st place	Nordic Challenge, Oslo (NO)	2007