CHRISTIAN BRUNBJERG JESPERSEN

Engineer ~ Mathematician

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SUMMARY

Technically skilled operation researcher, confident in metaheuristic design, implementation, and deployment. Able to manage a project including scoping, data collection, interviewing, and stakeholder management.

SKILLS

Languages: All programming languages

Technologies: Linux, Docker, Kubernetes, PKI, Nix.

PROJECTS

Technology	**Scheduling System API**	github.com/scipo-code/ordinator-api.git
	Main repository for the backend API of my Ph.D. project.	
Technology	**Matheuristics in Maintenance Scheduling**	github.com/brunbjerg/MaintenanceSchedulingMatheuristic.git
	Large Neighborhood Search based matheuristics for the maintenance scheduling problem.	
Technology	**Optimization of Fuel Delivery**	github.com/brunbjerg/optimization-of-fuel-delivery.git
	Master thesis project.	
Technology	**Poker Stochastic Probability Simulator**	github.com/brunbjerg/probker.git
	Hobby project	
	Frontend: github.com/brunbjerg/probker-frontend.git	

EDUCATION

2/2023 - 2/2026	**Ph.D. in Multi-actor Maintenance Scheduling**	Total Energies, DTU Construct, and DTU Management
	Multi-threaded Scheduling Systems, API development, Interviewing, Testing with Stakeholders.	
9/2020 - 12/2022	**Master in Mathematical Modelling and Computation - Operation Research**	DTU Compute
	Metaheuristics, Statistics, Programming.	
9/2017 - 7/2020	**Bachelor in Mathematical Engineering - Operation Research**	DTU Compute
	Algorithms, Operation Research.	

EXPERIENCE

2017 – 2022	**Teaching Assistant**	Technical University of Denmark
	· Mathematical Programming Modelling	
	· Programming of Scientific Software	
	`Teaching`	
1/2010 – 12/2020	**Production Operator and Maintenance Technician**	Nordic Sense
	I have worked for years at my familie's factory working with everything from production tasks to maintaining and commissioning new machines. This has proven to be a valuable experience throughout my current Ph.D. programme.	
	`Ownership`	
9/2016 – 7/2017	**Production Operator and Maintenance Technician**	Grundfos
	Production technician for 4 months and Maintenance technician for 5 months	
	`Practical Production  /  Practical Maintenance`	
7/2015 – 6/2016	**Event promotor**	Det Blå Danmark
	Shows that I can step out of my introverted comfort zone when I need to.	
	`Event coordination`	

LANGUAGES

English: Fluent

Danish: Native

French: Want to learn

BLINDSPOTS

Communication: Introverted. Tends towards solitary work. Prefer fewer but close work partners.

Consistency: Strategic thinker with focus on vision. Beneficial to be part of a team on important milestones.