

CHRISTIAN BRUNBJERG JESPERSEN

Engineer ~ Mathematician



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SUMMARY

Technically skilled operation researcher, confident in metaheuristic design, implementation, and deployment.

SKILLS

Languages: All programming languages

Technologies: Docker, Kubernetes, PKI, Nix.

PROJECTS

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

EDUCATION

x/2023 - x/2023	Ph.D. in Multi-actor Maintenance Scheduling API development,	DTU Construct, DTU Management, and Total Energies
9/2020 - 12/2022	Master in Mathematical Modelling and Computation - Operation Research Metaheuristics, statistics, programming,	DTU Compute
9/2017 - 7/2020	Bachelor in Mathematical Engineering - Operation Research	DTU Compute

EXPERIENCE

x/2017 - x/2022	Teaching Assistant • Mathematical Programming Modelling • Programming of scientific software Julia / Mathematical Programming Modelling	Technical University of Denmark
x/2010 - x/2020	Production Operator and Maintenance Technician I have worked many years at my families factory doing everything doing production tasks when I was younger and helping maintaining and commissioning new machines when I got older. This has proven to be very valuable experience throughout my current Ph.D. programme.	Nordic Sense
x/2016 - x/2017 scholarship holder	Production Operator and Maintenance Technician • Maintenance technician 5 months • Production technician 4 months	Grundfos
x/2015 - x/2016	Event promotor • Event coordination	Det Blå Danmark

LANGUAGES

English - Fluent, Danish - Native