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Optimizing solvers for real-world expensive black-box optimization with applications in vehicle design

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Curriculum Vitae

Fu Xing Long was born in Pulau Pinang, Malaysia in 1993. After finishing his high-school education, Fu Xing continued his higher education in Germany in the engineering field. Granted with a scholarship award sponsored by the Malaysia government, Fu Xing has completed his bachelor's degree in mechanical engineering at Hochschule Karlsruhe in 2018 and master's degree in computational engineering at Technische Universität Darmstadt in 2021. To pursue his dream and passion for scientific research with strong industrial applications, Fu Xing decided to join the ProMotion Program offered by BMW Group as PhD candidate since May 2021, under the supervision of Prof. Dr. Thomas Bäck, Prof. Dr.-Ing. Markus Gitterle (Munich University of Applied Sciences, Germany), and Dr. Niki van Stein. His research interests mainly lie on black-box optimization, fitness landscape analysis, and automated fine-tuning of optimization algorithms. During his PhD studies, he took courses in scientific conduct, among others.