

# Hoàng Nguyễn Phước Bảo

---

ngpbhoang1406{AT}gmail{DOT}com  
Hồ Chí Minh City, Vietnam

<b>PERSONAL</b>	Born June 14, 1996, Man, Single.	
<b>EDUCATION</b>	<i>Master of Science</i> , Computer Science and Engineering      Winter 2020 - Winter 2021 Inter-University Master Degree Programme at <i>Universidad (Autónoma   Complutense   Politécnica) de Madrid, Spain</i> Concentration: <i>Formal Methods</i> Thesis: <i>Intelligent enforcement of Fine-Grained Access Control policies for SQL queries</i>	
	<i>Bachelor of Science</i> , Computer Science      Winter 2014 - Summer 2018 Double Degree Programme at <i>Vietnamese-German University, Vietnam</i> joint with <i>Frankfurt University of Applied Sciences, Germany</i> Thesis: <i>Critical Configurations on Chip-Firing Games</i>	
<b>SUMMER SCHOOL</b>	<i>International School of Rewriting</i> at <i>Universidad Complutense de Madrid, Spain</i>	Summer 2021
<b>AWARDS</b>	Annual Merit Scholarship in Computer Science	Winter 2017
	Annual Merit Scholarship in Computer Science	Winter 2016
	German Academic Exchange Service Scholarship	Fall 2016
	Annual Merit Scholarship in Computer Science	Winter 2015
	Annual Merit Scholarship in Computer Science	Winter 2014
<b>EMPLOYMENT</b>	<i>Research Assistant in Software Engineering</i> , at <i>Vietnamese-German University, Vietnam</i> <i>Supervisor: Assoc. Prof. Manuel Clavel</i>	since Spring 2019
	<i>Software Developer</i> , at <i>Axon Active, Hồ Chí Minh City, Vietnam</i>	Spring 2018 - Spring 2019
<b>RESEARCH INTEREST</b>	<i>Model-driven engineering</i> : model-driven security, modeling language semantics, model analysis and validation, model-transformation. <i>Software security</i> : privacy preserving, access control enforcement, formal methods. <i>Specification and constraint languages</i> : semantics, implementations and proof assistants.	
<b>CURRENT WORKING TOPIC</b>	<i>OCL2PSQL</i> : OCL-to-Pure-SQL, Mapping from OCL expressions to SQL statements. <i>SQLSI</i> : SQL Security Injector, Model-driven approach for enforcing FGAC in database-centric applications.	

<b>PUBLICATION</b>	<i>Transformation Tool Contest</i>	Winter 2021
	<i>“The TTC 2021: OCL2PSQL Case</i>	
	<i>Hoàng Nguyễn Phước Bảo, Antonio García-Dominguez, Manuel Clavel</i>	
	<i>Springer Nature Computer Science</i>	Spring 2021
	<i>A Model-Driven Approach for Enforcing Fine-Grained Access Control for SQL Queries</i> <i>Manuel Clavel, Hoàng Nguyễn Phước Bảo</i>	
	<i>Lecture Notes in Computer Science, FDSE 2020: 67-86</i>	Winter 2020
	<i>A Model-Driven Approach for Enforcing Fine-Grained Access Control for SQL Queries</i> <i>Hoàng Nguyễn Phước Bảo, Manuel Clavel</i>	
	<i>Journal of Object Technology, JOT 2020, 19(3): 1-13</i>	Spring 2020
	<i>Model-based Characterization of FGAC authorization for SQL Queries</i> <i>Hoàng Nguyễn Phước Bảo, Manuel Clavel</i>	
	<i>Lecture Notes in Computer Science, FDSE 2019: 185-203</i>	Winter 2019
	<i>OCL2PSQL: An OCL-to-SQL Code-Generator for Model-Driven Engineering</i> <i>Hoàng Nguyễn Phước Bảo, Manuel Clavel</i>	
	<i>CEUR Workshop Proceedings, OCL@MoDELS, OCL 201: 3-16</i>	Spring 2019
	<i>Mapping OCL into SQL: Challenges and Opportunities Ahead</i> <i>Manuel Clavel, Hoàng Nguyễn Phước Bảo</i>	
	<i>IT Consultant</i>	
	<i>Hoàng Đức - Pharmaceutical &amp; Medical Supplies co, Ltd.</i>	
<b>EXTRA-CURRICULAR</b>	<i>Voluntary Translator</i>	
	<i>Như chưa hề có cuộc chia ly - Local TV Programme</i>	