

# Hoàng, Nguyễn Phước Bảo

---

ngpbhoang1406{AT}gmail{DOT}com | hoangnpb.com | github.com/npbhoang  
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 since Winter 2020 Inter-University Master Degree Programme at <i>Universidad (Autónoma   Complutense   Politécnica) de Madrid, Spain</i> Concentration: <i>Formal Methods</i> Expected graduation: <i>Summer 2021</i> Current GPA: <i>9.15/10.0</i> (Standard scale)  <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> Final GPA: <i>1.3/1.0</i> (German scale), <i>9.4/10.0</i> (Standard scale)	
<b>SCHOLARSHIP</b>	Amerian Chamber of Commerce in Vietnam Scholarship	Winter 2017
	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> , since Spring 2019 at <i>Vietnamese-German University, Vietnam</i> Supervisor: Assoc. Prof. Manuel Clavel  <i>Software Developer</i> , Spring 2018 - Spring 2019 at <i>Axon Active, Hồ Chí Minh City, Vietnam</i>	
<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, Formal mapping from OCL expressions to SQL statements. <i>SQLSI</i> : SQL Security Injector, Model-driven approach for enforcing FGAC in database-centric applications. <i>*2FOL</i> : Mapping the aforementioned formalisms to First-order logic for proving correctness and scalability.	
<b>PUBLICATION</b>	<i>Transformation Tool Contest</i> (to be appear) “The <i>TTC 2021: OCL2PSQL Case</i> Hoàng Nguyễn Phước Bảo, Antonio García-Dominguez, Manuel Clavel	

*Springer Nature Computer Science* (to be appear)  
*A Model-Driven Approach for Enforcing Fine-Grained Access Control for SQL Queries*  
Manuel Clavel, Hoàng Nguyễn Phước Bảo

*Lecture Notes in Computer Science, FDSE 2020: 67-86* Winter 2020  
*A Model-Driven Approach for Enforcing Fine-Grained Access Control for SQL Queries*  
Hoàng Nguyễn Phước Bảo, Manuel Clavel

*J. Object Technol., Journal of Object Technology, 19(3): 3:1-13* Spring 2020  
*Model-based Characterization of FGAC authorization for SQL Queries*  
Hoàng Nguyễn Phước Bảo, Manuel Clavel

*Lecture Notes in Computer Science, FDSE 2019: 185-203* Winter 2019  
*OCL2PSQL: An OCL-to-SQL Code-Generator for Model-Driven Engineering*  
Hoàng Nguyễn Phước Bảo, Manuel Clavel

*CEUR Workshop Proceedings, OCL@MoDELS, 3-16* Spring 2019  
*Mapping OCL into SQL: Challenges and Opportunities Ahead*  
Manuel Clavel, Hoàng Nguyễn Phước Bảo

**EXTRA-  
CURRICULAR  
ACTIVITY**

*IT Consultant*  
Hoàng Đức - Pharmaceutical & Medical Supplies co, Ltd.

*Voluntary Translator*  
Như chưa hề có cuộc chia ly - Local TV Programme