

# fernando sánchez villaamil

*I am looking for a change in direction in my career into software development. I am a fast learner and independent worker with experience in dealing with responsibilities.*

## education

- 2012-2017     **DOCTORATE** *RWTH Aachen University*  
Thesis title: About Treedepth and Related Notions  
Defense will take place in September.
- 2005-2011     **DIPLOM INFORMATIK** *RWTH Aachen University*

## work

- 2012-2017     **RESEACHER** *RWTH Aachen University*
- Developing international collaborations and research projects
  - Application of theoretical concepts to real-world problems
  - Designing and teaching seminars and software labs
- 2011-2012     **INTERN** *Siemens Corporate Research*  
Continue the development of a log analysis tool for the early prediction of failure in medical machines.
- 2008-2011     **STUDENT ASSISTANT** *RWTH Aachen University*  
Development of code for research at the chair for Data Management and Exploration and at the Theoretical Computer Science chair.
- 2007-2008     **SUBSTITUTE TEACHER** *Gymnasium Würselen*
- 2006-2008     **TEACHING ASSISTANT** *RWTH Aachen University*  
Tutoring students for programming, datastructures and automata lectures.
- 2005           **WEB DEVELOPER INTERN** *Propeller GmbH*

## grants

- 2010           *NSC-DAAD Summer-Institute Program* grant to research for two months at a Taiwanese university
- 2008           *UROP Grant for the Project Implementation of a Verifier for an Independent Set Algorithm*

## software skills

Java, Python, HTML/CSS, JavaScript, C++  
Comfortable using Linux.

## Languages

- Spanish        Mother tongue
- German        Fluent
- English        Fluent