

## **JAVIER RICARDO ESCOBAR AVILA**

PhD. Student

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### **Research interests**

Software engineering, software evolution, machine learning, natural language processing, program comprehension.

### **Education**

*Ph.D. in Computer Science*.....August 2014 – present  
Florida State University. Tallahassee, FL, USA.

Advisor: Dr. Sonia Haiduc (<https://www.cs.fsu.edu/~shaiduc/>)

*Master in Engineering – Systems Engineering and Computer Science*.....2012 – 2015  
Universidad Nacional de Colombia, Bogotá, Colombia

Thesis Title: “*A Model for Automatic Categorization of Software Applications using Non-Parametric Clustering and Bytecode Analysis*”.

Advisor: Dr. Mario Linares Vásquez (<https://profesores.virtual.uniandes.edu.co/mlinaresv/>)

Co-Advisor: Dr. Jairo Hernán Aponte Melo

([http://www.docentes.unal.edu.co/jhapontem/index\\_en.html](http://www.docentes.unal.edu.co/jhapontem/index_en.html))

*Bachelor in Systems Engineering*..... 2006 – 2010  
Universidad Nacional de Colombia, Bogotá, Colombia

### **Awards**

*Second place Graduate Student Winner of the ACM Student Research Competition at ICSE’15: “Automatic Categorization of Software Libraries Using Bytecode”*. Awarded by ACM SIGSOFT.

*ACM SIGSOFT CAPS travel award for ICSE’15*, Awarded by ACM SIGSOFT.

*Master Thesis Distinction. “A Model for Automatic Categorization of Software Applications using Non-Parametric Clustering and Bytecode Analysis”*, 2015. Awarded by Universidad Nacional de Colombia.

### **Publications**

(2017) **Escobar-Avila, J.**, Parra, E., & Haiduc, S. “Text Retrieval-based Tagging of Software Engineering Video Tutorials”. *Proceedings of the 39th IEEE/ACM International Conference on Software Engineering (ICSE’17)* Poster Track, Buenos Aires, Argentina, May 24-26, 2017.

(2015) **Escobar-Avila, J.**, “Automatic Categorization of Software Libraries Using Bytecode”, *In Proceedings of the 37th IEEE/ACM International Conference on Software Engineering (ICSE’15) ACM Student Research Competition*, Florence, Italy, May 16-24, 2015.

(2015) **Escobar-Avila, J.**, Linares-Vásquez, M., & Haiduc, S. "Unsupervised Software Categorization Using Bytecode", *In Proceedings of the 23rd IEEE International Conference on Program Comprehension (ICPC'15)*, Florence, Italy, May 18-19, 2015.

### **Academic employment**

*Graduate Teaching Assistant*.....August 2016 – present

CEN 4021 – Software Engineering II (Spring 2017)

CEN5035 – Graduate Software Engineering (Fall 2016)

Florida State University.

Department of Computer Science.

Tallahassee, FL, USA.

*Graduate Research Assistant*.....August 2014 – present

Florida State University.

Department of Computer Science.

Tallahassee, FL, USA.

*Student Research Assistant*..... March 2009 – August 2009

Universidad Nacional de Colombia.

School of Engineering.

Research project: "The effect of fundamental data in economic data series and the relationship of input and output of capital in stock markets of emerging economies" (Translated from Spanish).

### **Professional employment**

*Software Engineer*..... 2009 – 2014

Processum Consultoría Institucional ([www.processum.org](http://www.processum.org)).

Bogotá, Colombia.

### **Service**

Student Volunteer in the 39th IEEE/ACM International Conference on Software Engineering (ICSE'17), Buenos Aires, Argentina, May 24-26, 2017.

Student Volunteer in the 37th IEEE/ACM International Conference on Software Engineering (ICSE'15), Florence, Italy, May 16-24, 2015.