

## JAVIER RICARDO ESCOBAR AVILA

PhD. Student

Department of Computer Science

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### Research interests

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

### 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.

### 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

### Publications

(2019) **Escobar-Avila, J.**, Venuti, D., Di Penta, M., & Haiduc, S. “A Survey on Online Learning Preferences for Computer Science and Programming”. *Proceedings of the 41st ACM/IEEE International Conference on Software Engineering (ICSE'19)* SEET track, Montreal, Canada, May 25-28, 2019 (*To appear*)

(2018) Mills, C., **Escobar-Avila, J.**, & Haiduc, S. “Automatic Traceability Maintenance via Machine Learning Classification”. *Proceedings of the 34th IEEE International Conference on Software Maintenance and Evolution (ICSME'18)*, Madrid, Spain, September 23-29, 2018

(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 4020 – Software Engineering (Spring 2019)  
CGS 3066 – Web Development and Design – Main instructor (Fall 2018)  
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.

### **Awards**

*NSF Travel Award* for ICSE’17. Awarded by NSF.

*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.