Esteban Parra Rodriguez

Computer Science Department
Florida State University
253 Love Building 104-C
Tallahassee, FL, USA, 32304

Phone: (850) 300-0283
parrarod@cs.fsu.edu

Research Interests

Software engineering, software maintenance and evolution, program comprehension, empirical software engineering, software summarization, developer communications, online resources, and software visualization.

Education

Ph.D. in Computer Science (2023 expected)
Florida State University, Tallahassee, FL, USA
Advisor: Dr. Sonia Haiduc

Master's in computer science (2020)
Florida State University, Tallahassee, FL, USA
Advisor: Dr. Sonia Haiduc

Bachelor of Engineering, Systems and Computing (2014)
Universidad Nacional de Colombia, Bogotá, Colombia
Advisor: Dr. Jairo Hernán Aponte Melo

Refereed Publications

[C7] Romero R., **Parra, E.,** Haiduc, S., "AnswerMe - A Question Answering Bot for Gitter" in Proceedings of the 2nd International Workshop on Bots in Software Engineering (BotSE'20), to appear

[C6] **Parra, E.,** Ellis A., Haiduc, S., "GitterCom: A Dataset of Open Source Developer Communications in Gitter" in Proceedings of the 26th IEEE/ACM International Conference in Mining Software Repositories (MSR'20), to appear

[J1] C. Mills, **E. Parra**, J. Pantiuchina, G. Bavota, and S. Haiduc, "Are Bug Reports Enough for Text Retrieval-based Bug Localization?" in Proceedings of the 34th IEEE International Conference on Software Maintenance and Evolution (ICSME'18), to appear

[C5] C. Mills, J. Pantiuchina, **E. Parra**, G. Bavota, and S. Haiduc, "Are Bug Reports Enough for Text Retrieval-based Bug Localization?" in Proceedings of the 34th IEEE International Conference on Software Maintenance and Evolution (ICSME'18), Madrid, Spain, 2018, pp. 381-392. IEEE TCSE Distinguished Paper Award

[C4] E. **Parra,** J. Escobar-Avila, S. Haiduc, "Automatic Tagging for Software Engineering Videos" in Proceedings of the 26th IEEE/ACM International Conference on Program Comprehension (ICPC 2018), Gothenburg, Sweden, May 27-28, 2018, pp. 222-232.

[C3] J. Escobar-Avila, **E. Parra,** S. Haiduc, "Text Retrieval-based Tagging of Software Engineering Video Tutorials" in Companion Proceedings of the 39th ACM/IEEE International Conference on Software Engineering (ICSE 2017), Buenos Aires, Argentina, May 20-28, 2017, pp. 341-343.

[C2] E. **Parra,** S. Haiduc, R. James, "Making a Difference: An Overview of Humanitarian Open Source Projects", in Proceedings of the 38th ACM/IEEE International Conference on Software Engineering (ICSE 2016), Austin, TX, May 14-22, 2016, pp. 731-733.

[C1] B. Sharif, G. Jetty, J. Aponte, **E. Parra,** "An Empirical Study Assessing the Effect of SeeIT 3D on Comprehension", in Proceedings of the 1st IEEE International Working Conference on Software Visualization (VISSOFT 2013), Eindhoven, Netherlands, Sept. 27-28, 2013, pp.1-10.

Conference Presentations

"Automatic Tagging for Software Engineering Videos," at the 26th IEEE/ACM International Conference on Program Comprehension (ICPC 2018), Gothenburg, Sweden, May 27-28, 2018.

"Making a Difference: An Overview of Humanitarian Open Source Projects", at the 38th ACM/IEEE International Conference on Software Engineering (ICSE'16), Austin, TX, May 14-22, 2016

"An Empirical Study Assessing the Effect of SeeIT 3D on Comprehension", at 1st IEEE International Working Conference on Software Visualization (VISSOFT'13), Eindhoven, Netherlands, September 27-28, 2013

Academic Employment

Research Assistant
- Performing research in software maintenance and evolution under the supervision of Dr. Sonia Haiduc at Florida State University, USA, (August 2014 – present).

Teaching Assistant
- **Software Engineering I (CEN 4020, Undergraduate)**, Florida State University, Tallahassee, FL, USA (Spring 2019, Fall 2019).
- **Software Engineering (CEN 5035, Graduate)**, Florida State University, Tallahassee, FL, USA (Spring 2019).
- **Object Oriented Programming in C++ (COP 3330, Undergraduate)**, Florida State University, Tallahassee, FL, USA (Fall 2018).
- **Object Oriented Programming in C++ (COP 3330, Undergraduate)**, Florida State University, Tallahassee, FL, USA (Summer 2018).
- **Programming I (COP 3014, Undergraduate)**, Florida State University, Tallahassee, FL, USA (Spring 2018).

- **Data Mining Applications in Software Engineering II (CIS 5093, Graduate)**, Florida State University, Tallahassee, FL, USA (Spring 2018).
- **Software Engineering I (CEN 4020, Undergraduate)**, Florida State University, Tallahassee, FL, USA (Fall 2017).
- **Software Engineering II (CEN 4021, Undergraduate)**, Florida State University, Tallahassee, FL, USA (Spring 2016).
- **Software Engineering (CEN 5035, Graduate)**, Florida State University, Tallahassee, FL, USA (Fall 2015).
- **Software Engineering II (2016702, Undergraduate)**, Universidad Nacional de Colombia, Bogotá, Colombia (Fall 2012, Spring 2013).
- **Computer Vision (2016721, Undergraduate)**, Universidad Nacional de Colombia, Bogotá, Colombia (Spring 2013).

Awards

Nomination for the 2018-19 Outstanding Teaching Assistant Award at Florida State University – April 2019

IEEE Distinguished Paper Award in the 34th IEEE International Conference on Software Maintenance and Evolution (ICSME'18) for the paper "Are Bug Reports Enough for Text Retrieval-based Bug Localization?" – May 2018

ACM/SIGSOFT CAPS Travel Award for the 38th ACM/IEEE International Conference on Software Engineering (ICSE 2016) - May 2016

Outstanding Teaching Assistant Award, Computer Science Department, Florida State University - Fall 2015

Service

Student Volunteer at the 32nd IEEE International Conference on Software Maintenance and Evolution (ICSME'16), Raleigh, NC, October 8-10, 2016.

Professional Employment

Intern developer, Banco de la República de Colombia, Bogotá, Colombia, July 2013 – July 2014

Junior developer, Universidad Nacional de Colombia, Bogotá, Colombia, September 2013 - December 2013

Administrative Assistant level 6, Development and Statistical Analysis Unit of the Supreme Judicial Council, Bogotá, Colombia, March 2013 – May 2013

Call Center Agent, Bilateral, Bogotá, Colombia, March 2011 – November 2011