DongGyun, Han

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Interests

I am a PhD student at the Centre for Research on Evolution, Search and Testing (CREST) in Software Systems Engineering Group, Department of Computer Science, University College London. I am currently working under the supervision of Dr. Jens Krinke, Prof. Mark Harman, and Dr. Federica Sarro. My research area is Software Engineering, mainly focusing on modern code review and empirical studies.

Education

- PhD Computer Science, University College London, Apr 2015 - Present
- MPhil. Computer Science & Engineering, Hong Kong University of Science & Technology, Jan 2013
- B.Eng. Computer Engineering, Jeju National University, Feb 2010
  (Graduation Rank: No 2 among all CE students)

Experience

- Software Development Engineer Intern, Amazon Web Services, Seattle, US, Sep 2018 - Dec 2018
- Research Scientist Intern, Amazon Web Services, Sep 2016 - Sep 2017
- Researcher, KAIST Institute for IT Convergence, KAIST, Daejeon, Korea, Feb 2013 - Apr 2015
- Intern, Mobile application development team, Floo, Seoul, Korea, Jan 2010 - Feb 2010
- Intern, BBS platform development team, Daum communication, Jeju, Korea, Jul 2009 - Nov 2009
- Sergeant, Artillery regiment headquarter, 61th infantry division, Korean army, Dec 2004 - Dec 2006

Publications

Journals

- Taek Lee, Jaechang Nam, Donggyun Han, Sunghun Kim and Hoh Peter In, "Developer Micro Interaction Metrics for Software Defect Prediction", IEEE Transactions on Software Engineering (TSE), 2016

Proceedings

- Matheus Paixao, Jens Krinke, DongGyun Han, and Mark Harman, "CROP: Linking Code Reviews to Source Code Changes", In Proceedings of the 15th International Conference on Mining Software Repositories (MSR2018), Gothenburg, Sweden, 2018. (Data Showcase)
- Matheus Paixao, Jens Krinke, Donggyun Han, Chaiyong Ragkhitwetsagul, and Mark Harman, "Are Developers Aware of the Architectural Impact of Their Changes?", In Proceedings of the 32nd IEEE/ACM International Conference on Automated Software Engineering (ASE 2017), Urban Chapaign, Illinois, USA, 2017. Acceptance rate: 20.7% (65/314)
- Dongyeop Kang, Donggyun Han, Na Hea Park, Sangtae Kim, U Kang and Soobin Lee, "Eventera: Real-time Event Recommendation System from Massive Heterogeneous Online Media", In Proceedings of the IEEE International Conference on Data Mining (ICDM 2014), Shenzhen, China, 2014. (Demo)
- Yida Tao, Donggyun Han and Sunghun Kim, "Writing Acceptable Patches: An Empirical Study of Open Source Project Patches", In Proceedings of the 30th International Conference on Software Maintenance and Evolution (ICSME 2014), Victoria, British Columbia, Canada, 2014. Acceptance rate: 19% (40/210)
- Taek Lee, Jaechang Nam, Donggyun Han, Sunghun Kim and Hoh Peter In, "Micro Interaction Metrics for Defect Prediction", In Proceedings of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE 2011), Szeged, Hungary, 2011. Acceptance rate: 15.2% (21/138)

Thesis

- DongGyun Han, "Writing Acceptable Patches: An Empirical Study of Open Source Project Patches", Master's Thesis, 2013.

Book Translation

- More iPhone 3 Development, Apress, Jeff LaMarche and David Mark, Dec 2009
  - More! 아이폰 3 프로그래밍, Wikibooks, Translated by DongGyun Han, May 2010

Honors and Awards

- UCL Studentship, University College London, 2015 - Present
- Researcher Specialised Startup Fund (US $85k), Korea Institute of Startup & Entrepreneurship Development, 2013
- Postgraduate Studentship, Hong Kong University of Science and Technology, 2010 - 2012
- The Dean of Engineering Award, Jeju National University, 2010
- Daum Track Scholarship, Daum Communications & Jeju National University, 2008 - 2009
- 1st Class Undergraduate Scholarship, Jeju National University, 2008 - 2009
- Gold Medal, 5th Hapkido Competition Held by Jeju Provincial Governor, Oct 2004