Chenglong Wang

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CSE 518-1
University of Washington, Seattle

FIELDS OF INTEREST

- Program Synthesis, Machine Learning

EXPERIENCES

- **Ph.D. Student in Computer Science and Engineering (09/2015-Now)**
  Advisors: Ras Bodik, Alvin Cheung
  Paul G. Allen School of Computer Science & Engineering, University of Washington.
- **B.S. in Computer Science (09/2011 - 07/2015)**
  School of EECS, Peking University, China
- **Intern, Deepmind (07/2018 - 11/2018)**
  Mentor: Pushmeet Kholi (Deep Learning Team)
- **Intern, Microsoft Research (06/2017 - 09/2017)**
  Mentor: Rishabh Singh (Cognition Group)
- **Intern, Microsoft Research (06/2016 - 09/2016)**
  Mentors: Kris Ganjam, Yeye He (DMX Lab)

CONFERENCE PAPERS

- "Speeding up Symbolic Reasoning for Relational Queries" (OOPSLA 2018)
  Chenglong Wang, Alvin Cheung and Ras Bodik
- "Formalizing Visualization Design Knowledge as Constraints: Actionable and Extensible Models in Draco" (InfoVis 2018, Best Paper)
  Dominik Moritz, Chenglong Wang, Greg L. Nelson, Halden Lin, Adam M. Smith, Bill Howe and Jeffrey Heer
- "Natural Language to Structured Query Generation via Meta-Learning" (NAACL 2017 Short Paper)
  Po-Sen Huang, Chenglong Wang, Rishabh Singh, Wen-tau Yih and Xiaodong He
- "NL2Bash: A Corpus and Semantic Parser for Natural Language Interface to the Linux Operating System" (LREC 2018)
  Xi Victoria Lin, Chenglong Wang, Luke Zettlemoyer and Michael D. Ernst
- "Synthesizing Highly Expressive SQL Queries From Input-Output Examples" (PLDI 2017)
  Chenglong Wang, Alvin Cheung and Rastislav Bodik
- "Cosette: An Automated SQL Solver" (CIDR 2017)
  Shumo Chu, Chenglong Wang, Konstantin Weitz and Alvin Cheung
- "Transforming Programs between APIs with Many-to-Many Mappings" (ECOOP 2016)
  Chenglong Wang, Jiajun Jiang, Jun Li, Yingfei Xiong, Xiangyu Luo, Lu Zhang and Zhenjiang Hu

AWARDS

- InfoVis 2018 Best Paper for "Formalizing Visualization Design Knowledge as Constraints: Actionable and Extensible Models in Draco"
- Sigmod 2017 Best Demo Award for "Demonstration of the Cosette Automated SQL Prover"