Reading List: CS-Focused Technical Reading Training

Week 1: Introductions: Vocabulary, and Affixes and Roots

No papers

Week 2: The Parts of a Research Paper

1. *Applying a Gesture Taxonomy to Introductory Computing Concepts*, https://dl.acm.org/doi/abs/10.1145/3230977.3231001?download=true
    a. Sections covered: Abstract, Introduction, and Background

Week 3: Heilmeier Catechism

1. *InFix: Automatically Repairing Novice Program Inputs*, https://ieeexplore.ieee.org/abstract/document/8952434
    a. Sections covered: Abstract, Introduction

Week 4: Speed Reading Papers for Comprehension

1. *Youth Computational Participation in the Wild: Understanding Experience and Equity in Participating and Programming in the Online Scratch Community*, https://dl.acm.org/doi/10.1145/3123815
    a. Sections covered: Abstract, Introduction, and Discussion Section
2. *Aggregate Compilation Behavior: Findings and Implications from 27,698 Users*, https://dl.acm.org/doi/10.1145/2787622.2787718
    a. Sections covered: Abstract, Introduction, and Conclusion

Week 5: Understanding Basic Scientific Charts and Figures

1. *What Makes a Great Manager of Software Engineers?*, https://www.microsoft.com/en-us/research/uploads/prod/2018/06/kalliamvakou-tse-2018.pdf
    a. Sections covered: Abstract, Introduction, and Conclusion. Each group of participants also studies one figure from the paper

Week 6: Understanding Complex Scientific Charts and Figures

1. *Debugging Support for Pattern-Matching Languages and Accelerators*, https://web.eecs.umich.edu/~weimerw/p/weimer-asplos2019.pdf
    a. Sections covered: Abstract, Introduction, and Conclusion. Each group of participants also studies one figure from the paper

Week 7: How to Read API Documentation

1. *Python Documentation: Built in Functions*, https://docs.python.org/3/library/functions.html

Week 8: Combining API Documentation and Scientific Papers

1. *Synthesizing API Usage Examples*, https://dl.acm.org/doi/10.5555/2337223.2337316
    a. Sections covered: Abstract, Introduction, and Motivating Example. Each group of participants also studies one of the more technical sections

Week 9: Conclusion: Summary and Strategies Learned

No Papers