**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>
   1. Sections covered: Abstract, Introduction, and Background

**Week 3:** Heilmeier Catechism

1. *InFix: Automatically Repairing Novice Program Inputs*,<https://ieeexplore.ieee.org/abstract/document/8952434>
   1. 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>
   1. 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>
   1. 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>
   1. 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>
   1. 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>
   1. 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