

Annotated Bibliography

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References

- [1] O. Bonaventure, Q. De Coninck, F. Duchêne, A. Gégé, M. Jadin, F. Michel, M. Piraux, C. Poncin, and O. Tilmans. Open educational resources for computer networking. *SIGCOMM Comput. Commun. Rev.*, 50(3):38–45, July 2020.

This article describes the new way in which colleges should be teaching a Computer Networking course and the importance of offering such course for future students. Most of the practical use of this paper is to reference larger scale free textbooks for each of the listed sections, making a pool of resources for students to use and learn from the listed authors. The paper also dives deeper into the overarching topics professors should be covering, such as Learning protocols by dissecting packets, running virtual labs, implementing a simple transport protocol, and much more.

- [2] Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein. *Introduction to Algorithms, Third Edition*. The MIT Press, 3rd edition, 2009.

This is a popular algorithms textbook which is well-cited. In particular, Part VI on graph algorithms will be of interest. Chapter 26 discusses flow networks and introduces commonly used notation. It formally describes the problem of obtaining a maximum flow and its equivalence to obtaining a minimum cut. The classical method of Ford and Fulkerson’s algorithm for finding a maximum flow is described, and it includes several examples. Additional methods for obtaining a maximum flow, including the push-relabel method, are also described. The chapter notes include additional references to specific articles which may be helpful, such as those of historical interest (the article in which an algorithm was originally proposed) as well as state-of-the-art improvements (more recent articles to improve the approach).

- [3] Sarah Hug and Mark McKay. Problematizing AI literacy access - understanding student AI literacy from student voices. In *Proceedings of the 2025 Conference on Research on Equitable and Sustained Participation in Engineering, Computing, and Technology*, RESPECT 2025, page 339–342, New York, NY, USA, 2025. Association for Computing Machinery.