

Essay Proposal

COMP110 - Computer Architecture Essay

Your Name Here

October 25, 2016

Topic

My essay will be on:

Paper 1

Title: A Mathematical Theory of Communication

Citation: [1]

Abstract: “The recent development of various methods of modulation such as PCM and PPM which exchange bandwidth for signal-to-noise ratio has intensified the interest in a general theory of communication. A basis for such a theory is contained in the important papers of Nyquist and Hartley on this subject. In the present paper we will extend the theory to include a number of new factors, in particular the effect of noise in the channel, and the savings possible due to the statistical structure of the original message and due to the nature of the final destination of the information.”

Web link: <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6773024>

Full text link: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6773024>

Comments: This is a seminal article, which laid the foundations for what we now call information theory. It has been cited more than 76 000 times, making it one of the most-cited articles in computer science.

Paper 2

Title: Title of paper

Citation: [?]

Abstract: Copy and paste the abstract here

Web link: Give the URL of the paper in IEEE Xplore, ACM Digital Library, or similar

Full text link: Give the URL of a downloadable PDF of the paper, if you can find one

Comments: Write a few sentences on how you found the article and why you believe it is relevant and/or important.

Paper 3

Title: Title of paper

Citation: [?]

Abstract: Copy and paste the abstract here

Web link: Give the URL of the paper in IEEE Xplore, ACM Digital Library, or similar

Full text link: Give the URL of a downloadable PDF of the paper, if you can find one

Comments: Write a few sentences on how you found the article and why you believe it is relevant and/or important.

Paper 4

Title: Title of paper

Citation: [?]

Abstract: Copy and paste the abstract here

Web link: Give the URL of the paper in IEEE Xplore, ACM Digital Library, or similar

Full text link: Give the URL of a downloadable PDF of the paper, if you can find one

Comments: Write a few sentences on how you found the article and why you believe it is relevant and/or important.

Paper 5

Title: Title of paper

Citation: [?]

Abstract: Copy and paste the abstract here

Web link: Give the URL of the paper in IEEE Xplore, ACM Digital Library, or similar

Full text link: Give the URL of a downloadable PDF of the paper, if you can find one

Comments: Write a few sentences on how you found the article and why you believe it is relevant and/or important.

References

- [1] C. E. Shannon, “A mathematical theory of communication,” *The Bell System Technical Journal*, vol. 27, no. 3, pp. 379–423, 1948.