THIS IS A THESIS TITLE

A Thesis

Presented to the

Department of Information Systems

and Computer Science

Ateneo de Manila University

In Partial Fulfillment
of the Requirements for the Degree
Bachelor of Science in Computer Science

by John H. Smith 2019

ABSTRACT

This is an abstract blah blah

TABLE OF CONTENTS		
ABSTRACT	ii	
LIST OF FIGURES	iv	
CHAPTER I INTRODUCTION	1	
1.1 Background of the Study		
1.2 Research Objectives		
1.3 Research Question	1	
1.4 Scope and Limitations	1	
1.5 Significance	1	
BIBLIOGRAPHY	2	

LIST OF FIGURES

CHAPTER I

INTRODUCTION

1.1	Background	of the	Study
-----	------------	--------	-------

This is a background.

1.2 Research Objectives

What are your objectives?

1.3 Research Question

What are those?

1.4 Scope and Limitations

Nope.

1.5 Significance

Who gives a sh?

BIBLIOGRAPHY

- [1] EL-SAMIE, F. E. A., AHMED, H. E. H., ELASHRY, I. F., SHAHIEEN, M. H., FARAGALLAH, O. S., EL-RABAIE, E.-S. M., AND ALSHEBEILI, S. A. Homomorphic Image Encryption. In <u>Image Encryption</u>: A Communication Perspective. CRC Press, 2014, pp. 43–55.
- [2] FONTAINE, C., AND GALAND, F. A Survey of Homomorphic Encryption for Nonspecialists. <u>EURASIP Journal on Information Security 2007</u> (2007), 1–10.
- [3] GENTRY, C. Fully Homomorphic Encryption Using Ideal Lattices. In Proceedings of the Forty-first Annual ACM Symposium on Theory of Computing (New York, NY, USA, 2009), STOC '09, ACM Press, pp. 169–178.
- [4] GOLDWASSER, S., AND MICALI, S. Probabilistic encryption. <u>Journal of</u>
 Computer and System Sciences 28, 2 (Apr. 1984), 270–299.
- [5] GONZALEZ, R. C., AND WOODS, R. E. <u>Digital Image Processing</u>, 3rd ed. Prentice Hall, Upper Saddle River, N.J, 2008.
- [6] IYER, S. C., SEDAMKAR, R., AND GUPTA, S. A Novel Idea on Multimedia Encryption Using Hybrid Crypto Approach. Procedia Computer Science 79

(2016), 293-298.

- [7] Khoirom, M. S., Laiphrakpam, D. S., and Themrichon, T. Cryptanalysis of multimedia encryption using elliptic curve cryptography. Optik 168 (Apr. 2018), 370–375.
- [8] KOBLITZ, N., AND MENEZES, A. J. A Survey of Public-Key Cryptosystems. SIAM Review 46, 4 (Jan. 2004), 599–634.
- [9] LI, L., ABD EL-LATIF, A. A., AND NIU, X. Elliptic curve ElGamal based homomorphic image encryption scheme for sharing secret images. <u>Signal</u> Processing 92, 4 (Apr. 2012), 1069–1078.
- [10] LIAN, S., AND CHEN, X. On the design of partial encryption scheme for multimedia content. <u>Mathematical and Computer Modelling 57</u>, 11-12 (June 2013), 2613–2624.
- [11] MARTINS, P., SOUSA, L., AND MARIANO, A. A Survey on Fully Homomorphic Encryption: An Engineering Perspective. <u>ACM Computing Surveys</u> 50, 6 (Dec. 2017), 1–33.
- [12] SEN, J. Homomorphic Encryption: Theory and Application. In Theory and Practice of Cryptography and Network Security Protocols and Technologies, J. Sen, Ed. InTech, July 2013.

- [13] SHORTELL, T., AND SHOKOUFANDEH, A. Secure Fast Fourier Transform using Fully Homomorphic Encryption. arXiv:1611.08769 [cs] (Nov. 2016). arXiv: 1611.08769.
- [14] SINGH, L. D., AND SINGH, K. M. Image Encryption using Elliptic Curve Cryptography. Procedia Computer Science 54 (2015), 472–481.
- [15] TILBORG, H. C. A., Ed. <u>Encyclopedia of Cryptography and Security</u>. Springer US, 2005.
- [16] UPMANYU, M., NAMBOODIRI, A. M., SRINATHAN, K., AND JAWAHAR,
 C. V. Efficient privacy preserving video surveillance. In <u>2009 IEEE 12th</u>
 International Conference on Computer Vision (Sept. 2009), pp. 1639–1646.
- [17] YI, X., PAULET, R., AND BERTINO, E. <u>Homomorphic Encryption and Applications</u>. SpringerBriefs in Computer Science. Springer International Publishing, Cham, 2014.
- [18] ZIAD, M. T. I., ALANWAR, A., ALZANTOT, M., AND SRIVASTAVA, M. CryptoImg: Privacy Preserving Processing Over Encrypted Images. arXiv:1609.00881 [cs] (Sept. 2016). arXiv: 1609.00881.