

# Computer Science Notes

*Spring 2024*

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*The University of Texas at Dallas*



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# Preface

These are my exam review notes taken throughout the Spring semester.

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# **Part I**

## **Computer Networks**





# **Exam 1**



# **Part II**

## **Advanced Algorithms**



# **Exam 1**



# **Assignment 1**





## Assignment 2

- 3.1 Are either  $\lceil \lg n \rceil!$  or  $\lceil \lg \lg n \rceil!$  polynomially bounded?
- 3.2 Prove by induction that  $F_i = \frac{\phi^i - \hat{\phi}^i}{\sqrt{5}}$



# **Part III**

## **Software Engineering**



# **Exam 1**



# **Part IV**

## **Operating Systems**





# **Exam 1**

