

Academic Portfolio - Table of Contents Preview

Missouri S&T Student

June 30, 2025

Contents

Introduction	5
I. Computer Science	6
1. CS 1510 - Data Structures	7
Graph Algorithms	7
Tree Data Structure	7
2. CS 3800 - Operating Systems	8
OS Lecture 1	8
OS Exam 2 Cheatsheet	8
3. CPE 2210 - Introduction to Computer Engineering	9
Lab #1	9
4. CPE 3150 - Micro Embedded Design	10
Homework 2	10
Homework 4	10
Homework 6	10
Homework 8	10
Lecture 3	10
Lecture 6	10
Lecture 9	10
5. CS 2200 - Theory of Computer Science	11
Lecture 1	11
Lecture 3	11
Lecture 7	11
Lecture 9	11
Quiz 10	11
6. CS 3200 - Numerical Methods	12
Cribsheet	12
Homework 10	12
Lecture 2	12

Contents

Numerical Methods Equations	12
7. CS 4096 - Software Systems Development	13
Ethics	13
8. CS 5201 - Object Oriented Numerical Modeling	14
Master Notes	14
9. CS 5400 - Artificial Intelligence	15
AI Master	15
 II. Mathematics	 16
10.MATH 1214 - Calculus I	17
Calculus I Master	17
11.MATH 1215 - Calculus II	18
Chapter 6	18
Chapter 8	18
Chapter 10	18
12.MATH 2100 - Foundations of Mathematics	19
Homework 1	19
13.MATH 2222 - Calculus III	20
Chapter 12	20
Chapter 15	20
 III. Engineering Sciences	 21
14.PHYS 2305 - Modern Physics	22
Modern Physics Review	22
15.PHYS 1135 - Physics I	23
Interference	23
16.PHYS 2135 - Physics II	24
Exam 1	24
Lecture 1	24
Lecture 3	24
Lecture 5	24
Lecture 7	24

Contents

Lecture 10	24
Lecture 12	24
 IV. Liberal Arts & General Education	 25
 17.PSYC 1101 - Psychology 101	 26
Steven Pinker Assignment	26
 18.PHIL 3225 - Business Ethics	 27
Essay 1	27
Paper 2	27
Paper 4	27
Test 2	27

Introduction

Part I.

Computer Science

1. CS 1510 - Data Structures

Heap Data Structure Recursion

2. CS 3800 - Operating Systems

OS Lecture 2

3. CPE 2210 - Introduction to Computer Engineering

Template

4. CPE 3150 - Micro Embedded Design

Homework 3 Homework 5 Homework 7 Microcontroller Paper Lecture 4 Lecture 7
Project 1

5. CS 2200 - Theory of Computer Science

Lecture 2 Lecture 4 Lecture 8 Lecture 10 Quiz 11

6. CS 3200 - Numerical Methods

Homework 9 Lecture 1 Lecture 4

7. CS 4096 - Software Systems Development

Reflection Essay

8. CS 5201 - Object Oriented Numerical Modeling

Ninjas Notes

9. CS 5400 - Artificial Intelligence

Part II.

Mathematics

10. MATH 1214 - Calculus I

11. MATH 1215 - Calculus II

Chapter 7 Chapter 9 Chapter 11

12. MATH 2100 - Foundations of Mathematics

13. MATH 2222 - Calculus III

Chapter 14

Part III.

Engineering Sciences

14. PHYS 2305 - Modern Physics

15. PHYS 1135 - Physics I

16. PHYS 2135 - Physics II

Exam 2 Lecture 2 Lecture 4 Lecture 6 Lecture 9 Lecture 11 Lecture 13

Part IV.

Liberal Arts & General Education

17. PSYC 1101 - Psychology 101

18. PHIL 3225 - Business Ethics

Paper 1 Paper 3 Portfolio