

Everything I Learned

Jacob K. Davis

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0.1 What is this book?

This is a book of everything that I've learned throughout my college journey; from taking prerequisites all the way to the final course before graduation.

0.1.1 Why?

Over 4 years, I have accrued over \$30 thousand dollars in debt, had many sleepless nights, went through a break-up (probably in part due to school), and struggled financially for most of it. Beyond just a piece of paper I paid a lot of money for, I figured what better way to visually see everything I've gone through?

As I write this, it is October 20th, 2025 - 4-ish years since I took that first College Algebra course. Since I am starting this so late, this means I have to chase down old notes, decipher my god awful handwriting, and try to put it into words that actually make sense. Because of this, there will inevitably be large chunks of courses missing. That's okay, because this isn't as much about the content, but my journey through it.

0.1.2 Who is this for?

I don't know, maybe no one. It's not an attempt to tell a story, it's to share my experiences. This means that there could be sections that should be read by family, sections that should be read by professors, or maybe even sections I should re-read. I don't ever plan on selling this, maybe just making a few copies to give to those that mean the most to me. If you're reading this, you've probably stumbled upon it at a yard sale, or you're one of those people who mean the most to me. I did pay to get this made with my hard-earned Computer Science degree, you know.

For my Mom

Since it seems to be an "unwritten rule" to dedicate a book to someone, I dedicate this to my Mom. On April 18, 2021, she watched her only son leave to travel 1,688 miles away to Austin, Texas. She never told me no or that I should think about it; she actually encouraged me to go. She knew that I wouldn't go otherwise.

I know that it crushed her, but I think she knew deep down that this is what I needed. Since then, she has spent countless hours on the phone with me listening to me vent about school. She has been my rock and will forever be the reason I am the person I am today.

I am grateful for her beyond just school, but for everything that I have accomplished because of it. Without her, I would never have left. So yeah, I think that she deserves more than just a paragraph in a book of MY life.

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Part I

Computer Science

Chapter 1

Fundamentals of CS

This is some text i added to see if it works

Chapter 2

Programming Fundamentals II

Chapter 3

Foundations of CS II

Chapter 4

Assembly Language

Chapter 5

Computer Ethics

Chapter 6

Data Structures and Algorithms

Chapter 7

Object-Oriented Design and Programming

Chapter 8

Software Engineering

Chapter 9

Computer System Security

Part II

Mathematics

Chapter 1

College Algebra

Chapter 2

Pre-Calculus Functions and Graphs

Chapter 3

Calculus I: Differential Calculus

Chapter 4

Calculus II: Integral Calculus

Chapter 5

Discrete Math

Chapter 6

Introduction to Probability and Statistics

Chapter 7

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Part III

Physics

Chapter 1

General Physics I

Part IV

History

Chapter 1

US History to 1877

Chapter 2

US History to Date

Chapter 3

Principles of American Government

Chapter 4

Functions of American Government

Part V

Electives

Chapter 1

Stellar Astronomy

Chapter 2

Introduction to Philosophy

Chapter 3

Fundamentals of Human Communication

Chapter 4

Technical Writing

Chapter 5

Introduction to Fine Arts

Part VI

Language

Chapter 1

Spanish I