Here is a list of courses I want to take:

Wish list

Public Health

- Fall

☑ PH 240B Biostatistical Methods: Survival Analysis and Causality, by Mark van der Laan.

☑ PH 240C Biostatistical Methods: Computational Statistics with Application in Biology and Medicine, by Jingshen Wang.

☐ PH C242C Longitudinal data analysis(Fall)

☐ PH 252E Advanced topics in causal inference(Fall)

- Spring

☑ PH 240A Introduction to Modern Biostatistical Theory and Practice, by Mark van der Laan and Jingshen Wang.

☑ PH 252D Introduction to Causal Inference, by Maya Peterson.

Statistics

- Fall

☑ STAT 150 Stochastic process, by Benson Au.

☑ STAT 210A Theoretical Statistics, by Will Fithian.

☑ STAT 256 Causal inference, by Peng Ding.

☑ STAT 278B Neyman Seminar

☐ STAT 205A Probability Theory

☐ STAT 241A Statistical Learning Theory

- Spring

☑ STAT 210B Theoretical Statistics, by Martin Wainwright.

☐ STAT 205B Probability Theory

☐ STAT 215B Statistical Models: Theory and Application

☐ STAT 212A Topics in Theoretical Statistics

☐ STAT 230A Linear Model

☐ STAT 240 Nonparametric and Robust Methods

Math

- Fall

☐ MATH 118 Fourier Analysis, Wavelets and Signal Processing

- [ ] MATH 141 Elementary Differential Topology
- [ ] MATH 142 Elementary Algebraic Topology
- [ ] MATH 201A Introduction to Topology and Analysis(mainly topology)
- [ ] MATH 206 Banach Algebras and Spectral Theory
  - Spring
- [ ] MATH 258 Harmonic analysis(Spring)
- [ ] MATH 143 Elementary Algebraic Geometry
- [ ] MATH 172 Combinatorics
- [ ] MATH 201B Introduction to Topology and Analysis(mainly analysis)
- [ ] MATH 208 C*-algebras
- [ ] MATH 214 Differentiable Manifolds
- [ ] MATH 261A Lie Groups(both fall and spring)

EECS

  - Fall
- [x] CS 285 Reinforcement learning, by Sergey Levine.
- [x] EE 227BT Convex optimization, by Somayeh Sojoudi and Laurent El Ghaoui.
- [ ] CS 170 Efficient Algorithms and Intractable Problems(both fall and spring)
- [ ] EE 221A Linear System Theory
- [ ] CS 164 Programming Languages and Compilers
  - Spring
- [ ] EE 120 Signals and Systems (both fall and spring)
- [ ] EE C222 Nonlinear Systems
- [ ] EE 223 Stochastic Systems: Estimation and Control
- [ ] EE 290 Theory of Multi-armed Bandits and Reinforcement Learning
- [ ] CS 282 Designing, Visualizing and Understanding Deep Neural Networks
- [ ] CS 172 Computability and Complexity
- [ ] CS 289 Introduction to machine learning
- [ ] CS C267 Applications of Parallel Computers
- [ ] CS 280 Computer Vision

- [ ] CS 288 Natural Language Processing

- [ ] CS 61 Great Ideas of Computer Architecture (Machine Structures) (Both fall and spring)

- [ ] CS 152 Computer Architecture and Engineering

- [ ] CS 162 Operating Systems and System Programming(both spring and fall)

IEOR

- Fall

- [ ] INDENG 262A Mathematical Programming I

- [ ] IEOR 160 Nonlinear and Discrete Optimization

- [ ] IEOR 162 Linear Programming and Network Flows(both fall and spring)

- [ ] IEOR 221 Introduction to Financial Engineering(both fall and spring)

- [ ] IEOR 268 Applied Dynamic Programming

- Spring

- [ ] INDENG 262B Mathematical Programming II

- [ ] ELENG 227C Convex Optimization and Approximation

Economics

- Fall

- [ ] ECON 101A Microeconomics (Math Intensive)

- [ ] ECON 101B Macroeconomics (Math Intensive)

- [ ] ECON 136 Financial Economics (Both spring and fall)

- [ ] ECON 140 Economic Statistics and Econometrics (Both fall and spring)

- [ ] ECON 207 Mathematical Economics

- Spring

Information

- Fall

- [ ] INFO 253A Front-End Web Architecture

- Spring