

1 video:

1a hands on

[mit compsci intro \(in python\)](#)

[stanford programming methodology \(in java\)](#)

[stanford programming abstractions in c++](#)

[stanford programming paradigms](#)

[stanford principles of computer systems](#)

[mit performance engineering of software systems](#)

1b theory

[mit computation structures](#)

[mit algo intro](#)

[mit design and analysis of algorithms](#)

[mit automata computability and complexity](#)

[mit ai](#)

[mit advanced data structures](#)

[stanford physics](#)

[stanford fourier theory](#)

2 notes:

2a repositories of courses:

[Chua's \(math\)](#)

[Merry's \(math\)](#)

[Dolgachev's \(math\)](#)

[Kuang's \(math\)](#)

[\(mostly\) compsci drives from universities in Israel](#)

2b individual courses:

[discrete differential geometry](#)

[concise alg topology](#)

[complex dynamics](#)

[error correcting codes](#)

[combinatorial designs and groups](#)

[rational lattices and their theta functions](#)

[intro to analytic number theory](#)

[computational techniques in num theory & alg geometry](#)

[quantum computing](#)

[klein quartic](#)

[great ideas in theoretical compsci](#)

[ext & tor](#)

[von neumann algebras](#)

[intro to alg geometry](#)

[commutative algebra](#)