Career & Personality Development

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Career Development
DOMINIC WALLIMAN’S MAP OF COMPUTER SCIENCE
Hottest topics in computer science

1. Machine learning
   - Deep learning
2. Security
Searching for jobs

- Job fairs
- Industry contacts and referrals (Easiest way in)
- Internships
- LinkedIn
- Indeed
Preparing for job interviews

Books

Websites
- GeeksForGeeks, Leetcode, Glassdoor, HackerRank
Applying for graduate studies

- **Why graduate studies?**
  More learning $\implies$ more happiness, more comfort, more satisfaction, more money, fewer problems, more maturity, etc
- **When is an application strong?**
  Good curriculum vitae (CV), good statement of purpose (SOP), good research projects, good internships, good industry experience, good recommendation letters, good academic scores, good GRE/TOEFL scores (if applicable), etc
- Get expertise in Java, C++, and Python
- Get a website and add the details listed above including links to your projects
- Get into a master’s or a Ph.D. program (fully funded) in a reputed university
- Get a high-paying job in a field of your interest
- Get promoted multiple times, earn more money, and be happy
Developing scientific thinking

- What do the observable planets revolve around?
  Nicolaus Copernicus’ Heliocentrism
- What governs the movements of the heavenly bodies?
  Isaac Newton’s theory of motion and the theory of gravity
  Albert Einstein’s theory of general relativity
- How did our universe originate?
  Georges Lemaître and Edwin Hubble’s theory of the big bang
- How does nature behave at the ultra-tiny level?
  Erwin Schrödinger, Werner Heisenberg, and Max Born’s quantum theory
- How did life evolve on Earth?
  Charles Darwin’s theory of natural selection
- How did life originate on Earth?
  Addy Pross’ What is Life?: How Chemistry Becomes Biology
- What causes diseases?
  Germ theory of disease
Personality Development
Exercise (for body health)
Meditation (for mental health)
Positive thinking
Communication
Peace
Life partner
Believe