Programming:

- 1. Application for different Platforms:
 - a. Desktop Apps
 - i. Win, Lin, Mac
 - b. Web Apps
 - i. Client (Frontend), Server (Backend)
 - c. Mobile Apps
 - i. Android, IOS, Win Phone, Tizen, Linux, Symbian, FirefoxOS, WebOS, ...
 - ii. Cross Platform (React Native, Cordova, Xamarine)
 - d. Server App / Web Service / Backend
- 2. Graphic & Simulation:
 - a. Game (Graphic Engine, Physics Engine)
 - b. Simulation (Graphics, Multi-Physics)
 - c. Computational Geometry, Computer Graphics, Physics, Optics, Acoustics, Haptics
- 3. Scientific Programming
 - a. Estimation Problems
 - b. Machine Learning
 - c. Image / Acoustic Processing (Machine Vision / Machine Audition)
 - d. Data/Signal/Image/Text Processing
 - i. Decision Making
 - ii. Raw observation to higher lever information (Advanced Sensors)
 - iii. Data Fusion
 - e. Algorithms, Linear Algebra, Statistics, Numerical Calculation, Optimization
- 4. System Programming
 - a. OS, Drivers, Compiler, Build Tools
 - b. Services
- 5. Embedded Programming
 - a. Industrial Control / Automation
 - b. Small Devices, IoT,
- 6. Hardware Programming (Computer Aided Digital System Design)
 - a. Verilog, VHDL, System C, HLS, ...
 - b. For FPGA, CPLD