This study aimed to perform art creation for picture books using hand-drawing skills combining computer graphing technology. The beginning of this study illustrated the characteristics of the mixed media used as paints. Case study was applied so that, through the discussion teaching method, the students could interact with the teacher to determine the themes of picture books, the contents, and the storyboards, and further come up with their art creations for picture books. Then, the students were guided to use the computer graphing software to process the images, arrange layouts, design front and back covers and inside pages, to complete art creation using of hand-drawing skills combining computer graphing technology.
Computational graphics and computer vision are more CS topics while digital signal processing (DSP) and digital image processing (DMP) are more in Electrical and Computer engineering side, although coding extensive. You may take those classes as electives now if your university offers them and later do an MS in a university where there is an entertainment specialization (either as part of Electrical or Computer engineering major). However there are also talented artists who make great use of computer technology. As others have observed, the world is changing. Generating computer-animated videos requires also both artistic and computer skills. So, there are plenty of opportunities to combine the two. Handheld Graphing Technology at the Secondary Level: Research Findings and Implications for Classroom Practice synthesizes peer-reviewed, published research that addresses questions from five areas related to the use of this technology in teaching and learning secondary mathematics: 1) teacher knowledge and beliefs about handheld graphing technology, 2) nature of student use of the technology, 3) relationship of the technology to student achievement. While trying to reduce complex findings from the studies to simple conclusions is very difficult, some important areas for consideration did emerge. A core finding from the research is that the type and extent of gains in student learning of mathematics with