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### Melody's Flight

- Type: Group Project ~ Short Animation
- Software: Maya, Photoshop
- Date: May 2004
- What I did:
  - **Modeling:** Stuffed toys, gas tank, balloons
  - **Character Articulation:** Balloons, toys, and darts
  - **Shaders:** Balloons, toys, arrows, canvas
  - **Lighting:** All sets: above ground, dark world
  - **MEL scripts:** Asset versioning
  - **Logo**

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### The Play 3D

- Type: Group Project ~ Short Animation
- Software: Maya Renderer, Photoshop
- Date: December 2002
- What I did:
  - **Shaders:** Grass, Player uniforms
  - **Animated Logo**

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### UCBUGG DVD

- Type: Group Project ~ Motion Design
- Software: Shake, Photoshop
- Date: In Progress
- What I did:
  - **2D Animation:** Motion design of menus
  - **Design Concept:** Cubes' initial design rendered in Maya

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### A Game of Chess

- Type: Group Project ~ Motion Design
- Software: Wings 3D, POVRay
- Date: April 2003
- What I did:
  - **Shaders:** Set lighting, HDRI integration, and piece shaders
  - **Modeling:** Knight piece

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### IK Animator

- Type: Group Project ~ Standalone Application
- Software: OpenGL, C++, wxWidgets
- Date: December 2003
- What I did:
  - **3D User Interface:** Mouse-click detection algorithm using bounding sphere intersection and raycasting; real-time soft shadows
  - **2D User Interface:** Animation scrubber; overall application framework

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### Poison

- Type: Group Project ~ Standalone Application
- Software: Scheme, Photoshop
- Date: December 2001
- What I did:
  - **2D Graphics Display:** Cached one-bit transparency pre-processing
  - **2D User Interface:** Mouse-click detection using RGB color detection in off-screen buffer
  - **Artwork:** Hand-drawn, colored in Photoshop

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### Various Stills

#### 1. Academic Centers Annual Report 2004

- Type: Individual Project
- Software: Maya, Photoshop
- Date: Summer 2004
- What I did: **Everything**
  - **Scene Lighting:** Maya Render with two sets of linked lights (first piece), and Photoshop hand-coloring
  - **Modeling & Shading:** All pieces
  - **Design Concept**
  - **Post-processing:** Color corrections, compositing, and overlays

#### 2. Defender's Escape

#### 3. Humpty Dumpty Had a Great Fall

- Type: Individual Project ~ 2D Art
- Software: Photoshop
- Date: 2002
  - What I did: **Everything**

Note: Music from *BBC World: The Music* by David Lowe, composer of all BBC News themes.