



**ALEXANDER P. POWELL** GRAPHICS SOFTWARE ENGINEER  
**TEL:** 404.931.2191 **WEB:** a-lex.powelltown.com

**OBJECTIVE** Seeking a full-time computer programming position in 2006 with an emphasis on graphics software development.

**EDUCATION** **GEORGIA INSTITUTE OF TECHNOLOGY**  
Master of Science in Computer Science, December 2005  
Emphasis: Computer Graphics

**GEORGIA INSTITUTE OF TECHNOLOGY**  
Bachelor of Science in Computer Science, May 2004  
Minor: Music Performance

**EXPERIENCE** **GEORGIA INSTITUTE OF TECHNOLOGY**, Atlanta, GA  
Research Assistant, June 2002–Current  
Software development for various computer graphics related projects. Currently working on two-handed 3D modeling and animation interfaces. Other projects include subdivision surfaces for point-normal triangles, haptic rendering, and general-purpose computation on the GPU.

**CONSULTANT TO JAMES OLIVERIO**, Pittsburgh, PA  
MIDI Engineer, October 2001  
Used as a consultant on the placement of piezo triggers on various percussion instruments and other music interface requirements in the debut of James Oliverio's Timpani Concerto No. 2 by the Pittsburgh Symphony Orchestra.

**BRENLEN INTERNET AND COMPUTER SERVICES**, Kingsland, GA  
Graphic/Web Designer, July 2000–March 2001  
Developed and maintained projects ranging from simple magazine advertisements to full-scale e-commerce websites. Maintained positive relationship and technical support with clients.

- SKILLS**
- Knowledge of C, C++, Objective-C, and Java programming languages
  - Extensive OpenGL 3D graphics development experience
  - Cross-platform development experience using Metrowerks CodeWarrior for MacOS, Visual C++ for Windows 95/98/2000/NT, as well as gcc, Xcode, ProjectBuilder, and related tools for MacOS X, Linux/Solaris and other UNIX environments
  - GPU programming experience—general-purpose computation, knowledge of the limitations of current GPU architectures, and experience redesigning algorithms for the graphics processor
  - Sound, video, and graphic engineering experience with many types of gear including ProTools, Apple Logic, Adobe Premiere, Adobe Photoshop, and FinalCut Pro
  - Ability to apply confidentiality principles to workplace and clients