

EDUCATION

- Georgia Institute of Technology, Atlanta, GA Aug 2000 – May 2005
- Bachelor of Science in Computer Science with highest honors Final GPA: 3.76/4.00
 - Bachelor of Science in Aeronautical Engineering with highest honors (double major)
 - Music Minor in Clarinet Performance
 - Dean's List 10/10 semesters
 - Coursework in Computer Vision and Intelligent Systems, Graphics and Game Programming, Interactive Computer Music Systems, Aerodynamics, Control Systems, Propulsion and Thermodynamics, Aircraft Design, and Music History and Theory

EXPERIENCE

- NVIDIA Corporation, Santa Clara, CA Summer 2004
- Developed numerous test suites for Vertex Buffer Object (VBO) functionality of OpenGL, working in the OpenGL group headed by Paul Keller
- Georgia Institute of Technology
- Researching cascade-based human figure tracking with Dr. James Rehg January 2004 – May 2005
 - Co-Creator and Lead Programmer for audiomatch.net, a website analyzing listening trends and offering various music-related services for users March 2004 – Present
 - Created an interactive compose-by-chords computer music system Fall 2004
 - Designed and built a 3D networked multiplayer flight vehicle deathmatch game (Demo video and game available upon request) Fall 2003
 - Arranged several pieces of music for performance in a concert with synced video Fall 2003, 2002
- Computer Science Dept. at University of North Carolina, Chapel Hill Summer 2002, 2003
- Researched alignment registration of large 3D models captured using laser rangefinder (DeltaSphere) with Dr. Lars Nyland

SKILLS

- Programming Languages: C, C++, Java, Lisp, OpenGL, Matlab, Max/MSP, Lex, Yacc
- Development Environments: Microsoft Visual C++/.NET (Windows), GNU make/gcc (Linux)
- Significant Software Experience: VI, Reason, Finale, Sound Forge, Photoshop, Illustrator, Crystal Space 3D Game Development Kit
- Spoken and Written Languages: Spanish, Hindi

HONORS

- Awarded Department of Defense's NDSEG fellowship (3 years, tuition+fees, \$31000 average yearly stipend) March 2005
- Accepted for IBM's selective Extreme Blue program Summer 2004

PERSONAL

- Travelled extensively throughout Europe, India, Japan