

CURRICULUM VITAE

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Robert Patro

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Education:

2002	Attended	Worcester Polytechnic Institute (cumulative GPA 3.92)
2006	BS	University of Maryland at College Park (cumulative GPA 3.95)
2006-Present	PhD	University of Maryland at College Park (cumulative GPA 4.0)

Research and Projects

Graduate	Vertex Reordering for GPU Cache Coherence Partial 3D Shape Matching Proving Properties About Dynamic Program Updates GPU Reconstruction of Compressed Geometry Data
Undergraduate	Saliency Guided 3D Shape Matching Robust Statistical Evaluation of Mesh Curvature

Employment:

Present	Graduate Research Assistant <i>Department of Computer Science University of Maryland, College Park, MD Advisor: Professor Amitabh Varshney</i>
2006-2007	Graduate Teaching Assistant <i>Department of Computer Science University of Maryland, College Park, MD</i>

2004–2006 **Software Engineering Intern**
National Oceanic and Atmospheric Administration, Silver Spring, MD

2005 **Undergraduate Teaching Assistant**
Department of Computer Science
University of Maryland, College Park, MD

1998 **Software Development Intern**
Honeywell, Columbia, MD

Teaching Assistantships

CMSC 427 Computer Graphics Fall 2006
CMSC 420 Advanced Data Structures Summer 2005

Skills

Expert Ruby, Java, C/C++, Perl, Linux/Unix, OpenGL, GLSL, Windows XP/2000, L^AT_EX
Experienced Python, HTML, XML, Scheme, Prolog, OCaml, Direct 3D,
HLSL, NVSDK, CVS, Maple, Mathematica, BSD, Solaris

Honors:

Computer Science Departmental Honors

CMPS Honors Graduate

Deans List 2003, 2004, 2005, 2006

Named Charles O. Thompson Scholar (WPI)

Membership:

Upsilon Pi Epsilon Honor Society for the Computing Sciences

Phi Sigma Pi National Honors Fraternity

Phi Kappa Phi National Honors Society

National Society of Collegiate Scholars

Golden Key National Honors Society