

Curriculum Vitae (CV)

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PROJECTS

Colonoscopy Viz

Graphing software to display points of interest from medical data.

DWController

Advanced controller management for Xna games.

GPGPU Physics

Physics algorithm and framework for General Processing on the GPU (GPGPU).

DarkWynter Engine

Advanced rapid-prototyping engine in .Net/Xna for 3D game development.

GLCompShader

Harness in C++/OpenGL/GLSL provides usefull debugging info from Gpu.

Billiards Game Engine

Developed Physics Algorithms for spherical motion and collision

EDUCATION

University of North Carolina at Charlotte

8/01 – 8/07

Bachelor of Science in Computer Science

Primary Study:

General Purpose Computation on Graphics Processors (GPGPU)

3D-Visualization and Application Development

Object Oriented Application Development

Secondary Study:

Finance, Accounting, Economics, Business Management

East Mecklenburg High School

8/96 - 6/99

National Forensics League, Football, Soccer, Novell 4.x T.A.

Music Instruction

Western Music Dan Miller Organist Calvary Church, NC **1992–1994**

Suzuki Method Charlotte, NC; Suzuki Institute, WI **1982–1992**

COURSEWORK

Graphics Development

A	- ITCS 4232	Game Design & Dvlpmnt Studio	(C# / HLSL)
B	- ITCS 4010	Artificial Intelligence	(C# / XNA)
B	- ITCS 4010	Game Engine Design	(C++/OpenGL)
A	- ITCS 3651	GPGPU Development	(C++/OpenGL/GLSL)
A	- ITCS 3650	GPGPU Research	(C++/OpenGL/GLSL)

Computer Science

B	- ITCS 3112	Obj-Oriented System Des-Implm	(Java)
A	- ITCS 3160	Data Base Des- Implm	(Java)
B	- ITCS 3143	Operating Systems	(Linux / Windows)
B	- ITCS 2214	Data Structures	(Java)
C	- ITCS 3166	Intro To Comp Networks	
C	- ITCS 3102	Programming Lang	
C	- ITCS 2181	Computer Logic And Design	(Paper/Pen)
A	- ITCS 1215	Intro Comp Sci II	(Java)
B	- ITCS 1214	Intro Comp Sci I	(Java)

C.S. Related

B	- MATH 1241	Calculus I	
C	- MATH 2164	Matrix / Linear Algebra	
B	- PHIL 2105	Deductive Log	
B	- ENGL 2116	Intro of Technical Comm	
B	- INFO 2130	Int Bus Computing	

Business

B	- ACCT 2121	Principles Of Acct I	
B	- ACCT 2122	Principles Of Acct II	
A	- ECON 1201	Principles Of Econ-Macro	
C	- ECON 2102	Principles Eco-Micro	
B	- FINN 3120	Financial Management	

General

A	- SOCY 1101	Int To Sociology	
A	- POLS 1110	American Politics	
B	- MUSC 1248	Applied Piano	
B	- MUSC 1132	Mus Appreciat	

WORK HISTORY

Rocky River Grill at Embassy Suites 2008 – 2009
Server

Included VIP and multi-million dollar contract-signing lunches. Responsible for total guest care and satisfaction. Open tables and private dining room services. Rapid-pace, small-team, high-end service with attention to fine detail.

The Cheesecake Factory 2005 - 2006
Server

Provided dining service for patrons at this exclusive, fine dining restaurant. Entrusted with daily cash flow. High-pace, large-team, with attention to fine detail.

Hops Restaurant, Bar, and Grill 2003 - 2005
Cook/Server

Acted as a Head Waiter for the restaurant as required. Also worked as a cook and in back of house. Assisted management in promotions.

Universal Pools 1999 – 2003
Service Technician

Self employed as a pool service technician. Performed liner installation, repairs, cleanings, and some minor installations. Maintained a database of thirty clients.

UNC-Charlotte 2000 – 2002
Technical Assistant

Worked in the Student Computing Lab as a technical assistant. Responsibilities included aiding students with technical issues pertaining to UNCC computing resources, maintained the lab equipment, and acted as security for the lab.

Showmars Of America 1997 – 2000
Server / Cashier

Sever, cook, prep, and cashier as needed at this high-volume, fast-paced, "quick-food" restaurant.