

EDUCATION

Masters of Science - Computer Science Engineering - UTA - (May, 2001)

Bachelors of Science - Computer Science Engineering - UTA - (May, 1998)

EXPERIENCE

Eastfield College - Adjunct Instructor - CoSc / BCIS - (August, 2010 - Present)

Taught "Intro to Computers" classes

Taught online

Taught in classrooms

Taught online dual credit classes, working with high school faculty

Northwood University - Assistant Professor - MIS - (August 2010 - May, 2011)

Taught how to Manage an IT Department (MGT 4300)

Taught MIS concentration classes

Taught General Education classes, including Basic Computer Applications (MIS 1050) and Introduction to Programming (MIS 1200)

Faculty Advisor to the Computer & Communications Club (student organization)

Head of the Faculty Technology Support Group

Northwood University – Instructor - MIS – (November, 2005 – July 2010)

Promoted to Assistant Professor in August, 2010

Eastfield College – Adjunct Instructor / Part Time Faculty - CoSc / BCIS – (January, 2004 – December, 2009)

Taught "Intro to Computers" classes in classrooms

Northwood University– Adjunct Instructor - MIS – (September, 2003 – November, 2005)

Promoted to full time (instructor) in November, 2005

||| Cedar Hill ISD - Substitute Teacher – (February, 2004 – August, 2005)

Originally taught at Cedar Hill High School 1 to 2 days per week.
Moved into long-term substitutive positions.

||| DeSoto High School – Math Teacher - (August, 2002 – June, 2003)

Taught Geometry and Algebra II
Taught in Special Education (Content Mastery) one period per day
Performed after school tutoring
Coached the UIL Math and Number Sense teams

||| Highland Park High School – Computer Teacher - (August, 2001 – May, 2002)

High School Computer Applications and Architectural Graphics Teacher
Coached the UIL Computer Applications teams
Worked with the school BEST Robotics Team; We made it to the state competition

||| Literacy of America – Robotics Teacher - (June, 2001 - July, 2001)

Instructed 12 to 17 year old students in a summer school class on robotics
Short-term contract

||| Ericsson R&D - Software Engineer - (December, 2000 - April, 2001)

Designed, coded, and tested real time distributed fault tolerant systems on Solaris.
Coded in a proprietary language, Erlang, similar to a real time, embedded version of Java.
Worked on a very large CMM level 3 team.
Permanently laid off with 20,000 other employees.

||| Recycled Electrons - Owner - (January, 2000 - December, 2000)

Ran a successful startup e-commerce company.
Created a full e-commerce web site using CGI scripting, HTML, Java, and Java Script.
Designed, implemented, and tested embedded systems in C, C++, and Assembly.

||| Arrick Robotics - Production Engineer - (November, 1999 - July, 2000)

Tested robotic equipment before shipment.

Manufactured production runs of mobile robots, and positioning systems.

Wrote instructions for construction and programming of components for mobile robots.

Allegiance Telecom - Software Engineer - (June, 1999 - November, 1999)

Implemented government wire tapping software in real time on a MS Windows NT platform.

Resigned due to a serious illness.

Arrick Robotics - Production Engineer - (November, 1998 - June, 1999)

See Above

COMPUTER SKILLS

3Com SuperStack II Switches

Alice 2.2

Karel++

Microsoft Office (Excel,
PowerPoint, Word, Access)

PC Hardware

Computer Wiring (Cat 5, IDC, DB, USB,
etc.)

Electronics

Microsoft Windows

Web design, including HTML and
Dream Weaver

COMMUNITY SERVICE

Cedar Valley College – Upward Bound Instructor – (June 2008 - August 2009)

Taught at Cedar Valley College: Algebra 2
 College Test Prep
 PreCalculus
 Robotics

Cedar Valley College – Upward Bound Instructor – (January, 2004 – December, 2005)

Tutored after school at Lancaster High School and Wilmer-Hutchins High School

Taught at Cedar Valley College: Algebra 2
 PreCalculus

HOBBIES

HAM Radio

Building Custom PC Cases

Robotics

Helping People

OCRing pre-1932 Books (I built an OCR Cradle)

Digital Libraries

Refurbishing HP LaserJet Printers

References available by email at: References@AndrewBallen.com