Daniel B. Chapman
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Education

Carnegie Mellon University, Pittsburg, PA
      M.F.A. Lighting Design, 2008

University of New Mexico, Albuquerque, NM
      B.A. Theater (Design for Performance) cum laude, 2004

Member of United Scenic Artists Local 829 (IATSE 829)

Professional Experience

The University of Montana Western
      Adjunct Professor of Theater, 2016

Western Illinois University
      Assistant Professor of Lighting Design, Head of Lighting Design, 2014-2016

Freelance Lighting Designer, 2002-Present

Freelance Software Engineer, 2012-Present

Summer Theatre of New Canaan
      Production Manager, 2013-2015

The Acting Company
      Production Manager, 2010-2012
      Technical Director, 2010-2011 and 2011-2012 National Tours
      Lighting Supervisor, 2008-2009 National Tour

Royal Caribbean
      Head Sound and Light Technician, Sovereign of the Seas, 2008

Hogle's Production Services, Santa Fe, NM
      Lighting Designer/Production Manager, 2005

The University of New Mexico
      Theatre X: Technical Director, 2002-2004

Lighting Design

Pagliacci	Pat Diamond	Opera Southwest	2017
Tancredi*	David Bartholomew	Opera Southwest	2016
(Projection and Lighting Design)			
Westside Story	Melody Libonati	Summer Theatre of New Canaan	2016
On the Verge	Laura Braza	The Attic Theater Company	2016
Beowulf^	Andrew Eggert	Guerilla Opera	2016
Il Turco in Italia	David Bartholomew	Opera Southwest	2016
Tribes	Bill Kincaid	Western Illinois University	2016
Aida	Brian Robertson	Opera Southwest	2015

Lighting Design, con't.

Troubled Water^ (Projection and Lighting Design)	Allegra Libonati	Guerrilla Opera	2015
Legally Blonde	Allegra Libonati	Summer Theatre of New Canaan	2015
Pedr Solis^	Laine Rettmer	Guerrilla Opera	2015
Mobilology (Projection and Lighting Design)	Candace Winters-March	Western Illinois University	2015
La Boheme	David Bartholomew	Opera Southwest	2015
Stick Fly	Carolyn Blackinton	Western Illinois University	2015
The World is Round^ (Projection and Lighting Design)	Terry Chasteen	Western Illinois University	2014
Amleto^	David Bartholomew	Opera Southwest	2014
Top Girls	Rachel Chaves	Western Illinois University	2014
Susannah	Richard Gammon	Ash Lawn Opera (Virginia)	2014
Hairspray	Allegra Libonati	Summer Theater of New Canaan	2014
Lifeboat	Martin Harvey	The Filament Theater (Chicago)	2014
Cymbeline	Julia Locascio Claire Redfield	The Waking Theatre (Chicago)	2014
Apres Moi	Martin Harvey	Summer Theater of New Canaan	2014
The Snow Queen	Allegra Libonati	The Filament Theater (Chicago)	2014
Don Giovanni	David Bartholomew	Opera Southwest (Albuquerque)	2013
No Exit	Nathan Troup	Guerilla Opera (Boston)	2013
Madame Butterfly	David Bartholomew	Opera Southwest	2013
Greater Angels	Ed Iskandar	Exit, Pursued by a Bear (New York)	2013
Restoration Comedy*	Ed Iskandar	The Flea Theater (New York)	2012
*Drama Desk Nominee: Outstanding Director, Outstanding Costume Designer			
Of Mice and Men	Ian Belknap	The Acting Company/ The Guthrie Theater (National Tour)	2012-2013
Construction of the Human Heart	Brendan Naylor	The Access Theater (New York)	2012
Damascus	Ian Belknap	The Acting Company	2012
I Take Your Hand in Mine	Kevin Kline	The Acting Company	2012
Il Barbiere di Siviglia	David Bartholomew	Opera Southwest	2011
Cinderella	Celia Dale	Ballet Theatre of New Mexico	2010
The Laramie Project: Ten Years Later	Jesse Ontiveros	Working Classroom	2009
Come to the Cabaret: A Celebration of Kander & Ebb	Adam Hunter	The Acting Company/ Gerald Schoenfeld Theatre	2009
Twelfth Night	Allegra Libonati	Summer Theatre of New Canaan	2008
The Consul	Gregory Lehane	Carnegie Mellon University	2008
Three Sisters	Vladimir Miroden	Carnegie Mellon University	2007

Lighting Design, con't.

After Miss Julie	Ed Iskandar	Carnegie Mellon University	2006
A Midsummer Night's Dream	Celia Dale	Ballet Theatre of New Mexico	2006
The Chairs	Matt Gray	Carnegie Mellon University	2005
Samaritan	Kathleen Amshoff	Carnegie Mellon University	2005
Paul Oakenfold	Radio Blue 102	Hogle's Production Services	2005
Sleeping Beauty	Alex Ossadnik	Ballet Theatre of New Mexico	2005
Beyond the Classics	Katherine Giese	Ballet Theatre of New Mexico	2005
Under Milkwood	Paul Ford	Theatre in the Making	2004
Festival Flamenco	Eva Encinans	Festival Flamenco	2004
The Day They Shot John Lennon	Amber Earls	The University of New Mexico	2004
Beauty and the Beast	Alex Ossadnik	Ballet Theatre of New Mexico	2004
Southwest Folk Tales	Katherine Giese	Ballet Theatre of New Mexico	2002 - 2004
Hedwig and the Angry Inch	C.J. Basino	The KiMo Theatre	2003
The Lost Diary	Matthew Lerma	University of New Mexico	2003
JAM Student Dance	UNM MFA	University of New Mexico	2003
Perchance to Dance	UNM MFA/BA	University of New Mexico	2002
A Midsummer Night's Dream	Sarah Yanney	University of New Mexico	2002

Projection Design

The Wizard of Oz*	Natalie Harris	The New Mexico Ballet Company	2017
Tancredi* (Projection and Lighting Design)	David Bartholomew	Opera Southwest	2016
We The People	Bruce Walters	Bruce Walters/Daniel B. Chapman	2016
Gravitational Waves*	Bruce Walters	Western Illinois University	2016
A Bright New Boise	Rachel Chavez	Western Illinois University	2015
She Kills Monsters*	D.C. Wright	Western Illinois University	2015
Troubled Water*^ (Projection and Lighting Design)	Allegra Libonati	Guerrilla Opera	2015
Mobilology* (Projection and Lighting Design)	Candace Winters-March	Western Illinois University	2015
The World is Round^ (Projection and Lighting Design)	Terry Chasteen	Western Illinois University	2015
Winter Dance Works (Projection and Lighting Design)	Candace Winters-March	Western Illinois University	2014

*Utilized *Motion* https://www.github.com/danielbchapman/motion
^World Premier

Assistant Lighting Design

Lost in the Stars	Christopher Popowich	Opera Theatre Pittsburg	2008
Life x 3	John Lassiter	Pittsburgh Public Theatre	2007
Balanchine Fest	Cindy Limauro	Pittsburgh Ballet	2007
The Nutcracker	John Malolepsy	Ballet Theatre of New Mexico	2002-2004
Cinderella	John Malolepsy	Ballet Theatre of New Mexico	2003

Lighting Director

Henry V	Davis McCallum	The Acting Company/ The Guthrie Theater (National Tour)	2008-2009
The Spy	John Miller-Stephany	The Acting Company/ The Guthrie Theater (National Tour)	2008-2009

Master Electrician (selected shows)

LIU Spring Shows, 2013	Dan Henry	Long Island University	2013
Joseph and the Amazing Technicolor Dreamcoat	Devon Allen	Summer Theatre of New Canaan	2012
My Fair Lady	Devon Allen	Summer Theatre of New Canaan	2012
Carousel	Devon Allen	Summer Theatre of New Canaan	2011
Charlie Brown	Devon Allen	Summer Theatre of New Canaan	2011
Woyzeck	Jake DeGroot	Carnegie Mellon University	2007
The Murder of Helen Jewett	Dan Henry	Carnegie Mellon University	2006
Nutcracker	John Malolepsy	Ballet Theatre of New Mexico	2002-2004
Southwest Folk Tales	Katherine Giese	Ballet Theatre of New Mexico	2002-2004

Technical Director

As You Like It	Dan Rothenberg	The Acting Company/ The Guthrie Theater	2012
Julius Caesar	Rob Melrose	The Acting Company/ The Guthrie Theater (National Tour)	2011-2012
Comedy of Errors	Ian Belknap	The Acting Company/ The Guthrie Theater (National Tour)	2010-2012
Romeo and Juliet	Penny Metropulos	The Acting Company/ The Guthrie Theater (National Tour)	2010-2011

Production Manager

Summer Theatre of New Canaan, 2013-2015. Shows: *Legally Blonde, Cinderella, The Wizard of Oz, Hairspray, Merrily Mannerly, Charlotte's Web, Apres Moi, South Pacific, Grease, The Little Mermaid, The Cat in the Hat, Pinkalicious.*

The Acting Company, 2010-2012. Shows: *As You Like It, Of Mice and Men, Damascus, I Take Your Hand in Mine, Julius Ceasar, Comedy of Errors, Romeo and Juliet*

Other Design

Accidental Death of an Anarchist (Sound)	Allegra Libonati	Carnegie Mellon University	2007
Chasing the Dragon (Sound)	Allegra Libonati	Carnegie Mellon University	2006
Sleeping Beauty (Scenic and Lighting)	Alex Ossadnik	Ballet Theatre of New Mexico	2005
Ivanov (Scenic)	Eugene Douglas	University of New Mexico	2004
PLUNDA (Scenic)	Kristin Loree	University of New Mexico	2003
American Breakdown (Sound)	Eugene Douglas	University of New Mexico	2003

Software Projects

Motion (A framework for kinetic projections)	Daniel B. Chapman	2015

http://cue.lighting
https://www.github.com/danielbchapman/motion

License: GPLv3 (open source)
Language: Java / Processing / C++

Motion is a piece of software for creating kinetic (responsive) projections for live performance. It combines a rendering engine (*Processing*) with a physics engine (*Toxiclibs*) so that performers can create imagery that responds to movement in the space. This can take the form of responses to live action or simulations that run in real-time with performers. Motion relies on a simulation that runs in real-time rather than pre-rendered and encoded video and offers cueing and integration (open sound control) for performance.

Groups (Java Document Store)	Daniel B. Chapman	2012-2015

https://github.com/danielbchapman/groups
License: GNU Affero GPL (open source)
Language: Java
Groups is a simple in-memory document store for Java. It uses a non-columnar structure to store data which allows for asymmetric tables of information. There are built-in utilities to join these tables in the fashion of a relational database (columnar) as well as duck-typing for pseudo type-safety. It is intended for rapid prototyping, easily adding persistence to user interfaces, and simple export to XML for import and export.

Production Management Web Application	The Acting Company/ Daniel B. Chapman	2012

https://github.com/danielbchapman/production-management
License: GPLv3 (open source)
Language: Java / JSF2

The *"Production Management Database"* is an application developed at The Acting Company to manage the national tour. It contains utilities for managing complex scheduling, multiple venues, contact information, inventory management, document sharing, and budget management. The Acting Company (Ian Belknap, Margot Harley, and Nancy Cooke) are owed the credit for releasing this project under an open source license as it was developed on their time during my tenure as Production Manager.

Software Projects, con't.

Light Assistant   Daniel B. Chapman   2008-2015
License: Proprietary
Language: Java / Qt5 / C++
https://lightassistant.com

Light Assistant is an alternative to *Lightwright* for lighting paperwork management. It provides higher levels of customization for paperwork, cue sheets and tracking, simplified notes management, and an interface to import information from Vectorworks. The project is currently not ready for release, but I have been using it as my primary application for lighting paperwork since 2008. There are two branches of development: a standalone Java application (cross platform) and a native application that runs in Windows, OSX, Linux, iOS, and Android. A version of the spot cue tracking feature was used in the *Christmas Spectacular* at Radio City Music Hall in 2013.

Related Software Job Experience

Software Engineer (lead), Brad Greer LLC	2013-2017
Software Engineer, Razorfish NYC	2013
Computer Programmer, MIMICS Inc.	2009-2010

Skills and Technical Knowledge

Software (Lighting): Vectorworks, Lightwright, Microsoft Office Suit, ESP Vision*, WYSIWYG, Martin Show Designer, Capture, QLab
   * ESP Vision 2.0 Programming Contest, 2nd Runner-up, 2006

Consoles: Virtuoso, Whole Hog 2/3, Maxxyz, ETC Expression/Obsession I/II/Element/Eos, Strand 500 series, Fat Frog, SMG Pilot, Chamsys

Software (General): Microsoft Office Suit, Eclipse (eclipse.org), Netbeans (netbeans.org), Delphi 7, Delphi 2006, Visual Studio, Qt Creator, Processing

Software (Projections): Photoshop, Motion (Author), Motion 2 (Author), Processing, Open Frameworks, After Effects, Premier, Final Cut Pro, QLab, vvvv (limited).

Languages: (Fluent) Java, Delphi/Pascal, SQL, JavaScript, C#, C++, Processing (Working Knowledge) C, Ruby, Clojure

Related Technologies: SWT, Swing, AWT, HTML5, CSS, JQuery, Primefaces, Richfaces, Icefaces, JPA, EJB3, MVC.NET, Meteor, Node.js, OpenGL (limited), PHP, JSP/JSF, MVC.NET, SWT, AWT, JavaFX, JEE5/6, JBoss, Websphere, Tomcat, Apache

Databases: MySQL 3.0+, SQL Server 2003+, Advantage, H2, Derby, Oracle, Postgre, MS Access, Filemaker 8

Guest Lectures

Introduction to Projection Mapping	University of New Mexico	2017
Programming Workshop	Monmouth College	2014
Introduction to Sound Design	Monmouth College	2014
Production Management	Monmouth College	2014

Courses Taught

THTR 101	Introduction to Theatre	University of Montana Western	2017
THTR 101	Introduction to Theatre	University of Montana Western	2017
THTR 101	Introduction to Theatre	University of Montana Western	2016
THTR 101	Introduction to Theatre	University of Montana Western	2016
THEA 550*	Graduate Lighting Design	Western Illinois University	2016
THEA 110	Introduction to Theatre	Western Illinois University	2016
THEA 550*	Graduate Lighting Design	Western Illinois University	2015
THEA 496G*	Automated Lighting	Western Illinois University	2015
THEA 346	Drafting	Western Illinois University	2015
THEA 250	Design for Performance	Western Illinois University	2015
THEA 600*	Special Topics in CAD	Western Illinois University	2015
THEA 550*	Graduate Lighting Design	Western Illinois University	2015
THEA 540*	Visual Concepts for the Stage	Western Illinois University	2015
THEA 345/446	Lighting Design I/II	Western Illinois University	2015
THEA 550*	Graduate Lighting Design	Western Illinois University	2014
THEA 250	Design for Performance	Western Illinois University	2014
THEA 110	Introduction to Theatre	Western Illinois University	2014

*indicates graduate level course