

EDUCATION

B.S. Marine Biology, University of California Santa Cruz, 2004

SKILLS

- Software Development, Project and Team Management
- Audio / Video Production & Post-Production
- 3D Animation / Simulation / Design
- 2D Graphics Production and Processing
- Precision Electronics Work
- Systems Engineering and Troubleshooting
- Mold-making and Casting
- Design and Fabrication of Wood, Metal, Stone, and Glass
- Leather Crafting
- MIG / TIG Welding
- Certified Scientific SCUBA Diver

RESEARCH INTERESTS

Human Interface Design; Dynamic Simulation and display; Evolutionary/Genetic Programming; Scientific Visualization; Artificial Intelligence; Robotics; Biomimetic design; Stereoscopic Vision; Collaborative Robotics; Marine Mammal Behavior and Ecology; 3D motion tracking; Health Care Systems and Software; Neural Networks; Aerospace.

SOFTWARE

Programming: Objective C, C++, Javascript, PHP, Python, MySQL

2D Graphics: Photoshop, Illustrator, InDesign

Video: Final Cut Pro, Adobe Premiere

3D: Maya, Autodesk Fusion 360

Audio: Logic Pro, Pro Tools, Soundblade

Web: HTML, CSS, Wordpress

EMPLOYMENT RECORD & MAJOR CLIENTS

Sonic Studio / Amarra	Software Developer	Feb 2013 - Dec 2016
Monkey Likes Shiny	Fabrication / Electronics	Aug 2012 – present
Tim Marutani Consultants	Home Theater Install / Service	June 2012 – present
Dr. Dan Costa, UCSC	Videographer (2 Antarctic Expeditions)	Oct 2011 - Feb 2012
The Cedric Burnside Project	Guitarist	Jan 2011 – Oct 2011
Park Hill Music Studios	Head Engineer	Jan 2010 - Jan 2011
The Principles of Knitting	Graphics / Product Design	Aug 2009 – present
Burning Cat Studios	Owner / Operator	Jul 2004 – Jul 2009
Dr. Jeff Belkora, UCSF	Software Developer	Jan 2006 - Dec 2008
Dr. Laura Esserman, UCSF	Software Developer	Jan 2006 - Dec 2008
Dr. Terrie M. Williams, UCSC	3D Software Producer	Jun 2004 - Jun 2006
NASA Ames	Consultant (Volunteer)	Jan 2005 - Jun 2005
UFO Sound Studios, Berlin	Head Engineer	Oct 2000 – Nov. 2001
Umbrella Films	Editor/Sound Designer	Jun 2000 – Oct 2000
AVTS	AV Technician	Apr 2000 - Jun 2000
The Berkeley Groove	Video Director	Apr 2000 - May 2001
Computer Gaming World	Editor / CD-Rom Producer	Nov 1998 - Jan 2000
What It Is	Keyboards/Guitar	Aug 1997 - Dec 1999
Color3 Lab, S.F.	Graphic Technician	Jul 1998 - Nov 1998
The 7th Note Showclub	Audio Engineer	Jun 1998 - Aug 1998
Third Eye Blind	Stage Manager/Monitor Engineer	Feb 1997 - Aug 1997
Deep Forest Media	Multimedia Producer	Apr 1996 - June 2000
Graham Central Station	Stage Manager/Engineer	Sep 1995 - June 1996
BCD Multimedia	Audio Mastering Engineer	Jun 1994 - present
Bill Graham Presents	AV Technician	Feb 1994 - Dec 1996
Guitar Tech	Electric Guitar Repair/set-up	Sep 1991 - Sep 1992
Saul Zaents Co. Film Center	Editorial Assistant	Jun 1991 – Sep 1991

ALBUMS PRODUCED / RECORDED

Pat MacDonald - *'Degrees Of Gone'* - 2000

Recording Engineer

Romy Haag - *'Balladen fur Huren und Engel'* - 2001

Recording / Mixing

Al Young - *'The Sea The Sky and You And I'* - 2008

Recording / Mixing / Mastering

Peter Weiss - *'Do As You Otter'* - 2009

Recording / Mixing / Mastering

Jesse Hiatt - *'Choose Your Road'* - 2009

Artist / Producer / Recording / Mixing

(Winner LA Music Awards 'Record of the Year' 2010)

Cedric Burnside - *'The Way I Am'* - 2011

Producer / Recording / Mastering

LIVE MUSIC PERFORMANCE

Performed in venues large and small all over the country in several different touring acts, including **Comfy Chair**, **What it Is**, **The Cedric Burnside Project** and **The Jesse Hiatt Band**. Highlights include: two performances by What it Is at the Alachua Music Harvest in Gainesville Florida for crowds of 18,000+, opening up for James Brown in '98, and Maceo Parker in '99; Performing with the Cedric Burnside Project at the Hill Country Picnic in 2011, and at the Clarksdale Blues Festival in 2010 and 2011.

LIVE MUSIC PRODUCTION

Over twenty years experience in music production in the Bay Area with companies such as **Bill Graham Presents**, **Third Ear Sound Co.** and **Sound on Stage**. Experience as Stage Tech., Stage Manager and Audio Engineer at venues including **The Oakland Coliseum**, **The Henry J. Kaiser Convention Center**, **The Shoreline Amphitheater**, **The Warfield Theater**, **The Maritime Hall**, **Kimball's East** and **The Fillmore Auditorium**. Audio engineer and stage tech for the main stage at **The New Orleans Jazz and Heritage Festival**, 1995. Audio engineering for artists such as: **WAR**, **Jody Watley**, **Larry Graham**, **Third Eye Blind** and **Clarence Clemmons**. Stage manager for **Larry Graham** at the **California Music Awards** 2003.