

CHESTER T. RANEY

Address:

Phone:

E-mail:

WORK EXPERIENCE

KJWW Engineering Consultants – Acoustics Consultant:

June 2013 - January 2014

- On site acoustical measurements and testing with follow-up review and analysis
- Acoustical review of architectural and MEP drawings throughout various design stages
- Compliance and design reports pertaining to local noise ordinances, standards, FGI Guidelines, LEED, ASHRAE, etc.
- Writing reports and proposals for clients
- Working closely with architects, engineers, and clients

Columbia College Chicago - Audio Arts & Acoustics - Administrative Assistant:

January 2011 – May 2013

- Assisting staff, teachers, and the program chair with an array of department/office operations
- Advising students on the department curriculum and college regulations
- Acted as a department and ASA student chapter representative at college open houses and functions

KJWW PROJECTS

Healthcare – Worked on projects both large and small with aspects ranging from full HVAC analysis (silencer specifications, plenum calculations, environmental impact, etc.), partition evaluation, transmission loss testing with recommendations, room acoustics, and design review for compliance with FGI guidelines and/or client expectations.

Education – Projects ranged from elementary to higher education facilities with work including full HVAC analysis, emergency evacuation speaker layouts, and partition evaluation, estimated impact from community noise, room acoustics, and design review for compliance with LEED requirements and/or client expectations.

Life Sciences – Acoustical recommendations for speech auditorium and atrium, HVAC analysis, data analysis of accelerometer data, and transmission loss testing between vibration laboratory and control room.

Other – Various other industrial, hospitality, and retail related projects with aspects ranging from transmission loss testing, room acoustics recommendations, partition review, chiller enclosure specifications and design, full HVAC analysis, property line noise testing.

SKILLS

Software Experience– EASE, EASE Evac, VA Select, Dynasonics AIM, Trane Acoustics Program (TAP), Revit, Revit MEP, AutoCAD, Bluebeam Revu, Visual C#, C++, Java, Microsoft Office, SpectraPLUS, Gold-Line TEF, Pro Tools

EDUCATION

Columbia College Chicago – Bachelor of Science in Acoustics - May 2013

Jeremy Jefferies Hill Scholarship – Recipient of this senior academic achievement award, Spring 2013

Trustee Award – Recipient of this academic achievement award every semester, September 2010 – May 2013

CERTIFICATIONS

FHWA-NHI-142051 Highway Traffic Noise Course (8/23/2012) – Expertise of legislation and regulations pertaining to highway traffic noise and the requirements and techniques for noise analysis and abatement.

CITI - Social & Behavioral Research (11/19/2012) – Focused on issues that arise in the context of social and behavioral research involving human subjects.

ACTIVITIES

Acoustical Society of America:

Student Chapter (Columbia College Chicago)

Fall 2012 – Spring 2013: Vice President

Fall 2011 – Spring 2012: Secretary

Fall 2010 – Spring 2011: Member

National Chapter

December 2010 – Present: Member

Michael Hansen

Acoustician/Consultant

Qualifications

- 3 years of audio and acoustic experience
 - Proficient in ProTools, EASE, ODEON, SpectraPlus, ARTA, TEF, C Sharp
 - Current member of the National chapter of the Acoustical Society of America
 - Deep interest in architectural and musical acoustics
 - Eagerness to learn, driven hard worker
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Education

Columbia College of Chicago

Bachelor of Science, Acoustics

Degree Conferred: May 2014

Kankakee Community College

Associates in Art, Transfer

Degree Conferred: May 2011

Acoustical Projects

The Black Box Experiment

Investigated unknown digital signal processors within a locked box using TEF, a signal generator, and an Ohmmeter.

Loudspeaker Study

Analyzed the frequency response, crossover frequency, and polar directivity of a loudspeaker in an anechoic and non-anechoic environment.

Investigation, Model Comparison, and Scenario Evaluation of the Majestic Theatre

Analyzed the reverberation time, impulse response, and other vibrational parameters of a local multi-purpose theatre. An acoustical model was built based on the blueprints of the space and the same tests were performed within in order to compare results. The model was used to carry out scenarios based on different material specifications in order to improve clarity.

Courses

- Acoustical Testing I, II
 - Calculus I, II, III
 - Art of Troubleshooting
 - Architectural Acoustics
 - Intro to Vibration
 - Intro to Psychoacoustics
 - Environmental Acoustics
 - Engineered Acoustics
 - Sound System Design
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Work Experience

Live Sound Reinforcement: Horseshoe

July 2013 – December 2013

Executed system maintenance, repair, troubleshooting, and mixing. Managed, coordinated, and implemented all stage set-up and tear down.

Freelance Stage Tech: Show Crew Network

June 2013 – October 2013

Facilitated stage construction and sound equipment set-up and breakdown for various shows and performances. Assisted with live mixing for several events.

Internship: R & M Consulting Inc.

December 2012 – March 2013

Maintained and refurbished sound systems at various houses of worship. Implemented different acoustical measurement techniques to eliminate feedback, enhance clarity, and maximize intelligibility. Worked on repairing and restoring numerous audio components.

Andrew M Hulva

Acoustician

address
phone
email
personal URL

Professional Summary

- Bachelor of Science in Acoustics Candidate at Columbia College Chicago, ASA student and national chapter member, audio enthusiast.
- Rebuilt an anechoic chamber and converted motion capture studio to variable acoustics space. Strong test chamber operation and data analysis skills. Excellent, well-rounded, acoustics foundation.
- Attended numerous professional conferences and symposiums on topics related to acoustics.
- Skills include: AutoCAD, ProTools, Microsoft Office Suite, C#, Microsoft Visual Studio, CATTAcoustic, SpectraPlus, Arta, musical training, insatiable eagerness to learn, and an always professional attitude.

Acoustics Experience

Audio Developer/Researcher: B-Calm LLC

July 2013 – Present

Researched the perceptions of sound by children within the autism spectrum. Developed psycho-acoustically enhanced audio to revamp the B-Calm product line. Consulted on the development of a mobile application, which would host the developed audio. Joined the B-Calm team after working on behalf of Hulva Acoustics LLC.

Owner: Hulva Acoustics LLC

June 2013 – Present

Formed the LLC in order to work as a company instead of an independent contractor.

Research/Teaching Assistant: Columbia College Chicago

June 2013 – Present

Researched an on-campus RWTL chamber, which culminated in a presentation at the San Francisco ASA conference. Assisted in the design, and completed construction of an on-campus anechoic chamber and variable acoustics studio. Variable acoustics studio presented at Providence ASA conference.

Lab Intern: Riverbank Acoustical Labs

December 2012 - May 2013

Reviewed and archived "The Wallace Sabine Files" while assisting the lab manager in bringing the offices back to order. Consulted during a tour of the facilities by providing historical information to the guests as they came to each milestone. Prepared specimens for testing and applied mastic to wall seal in the TL chamber. Executed testing for an inter-laboratory round robin using an impedance tube assembled and operated without instruction or a manual.

Education

B.S. Acoustics: Columbia College Chicago (3.87 GPA)

2012 - Graduation

- Deans List 2012 - Present
- CCC Achievement Award 2012 - 2015
- Scholarship Columbia 2013 – 2014
- Scottish Rite (Masonic) Scholarship 2013

B.A. Classical Guitar Performance: Indiana University Bloomington

2011 - 2011



Professional Society Affiliations

Acoustical Society of America, Columbia College Chicago Student Chapter

-President 2013 – Present

-Secretary 2013 – 2013

Acoustical Society of America, National Chapter

-General, TCAA, and Hospital Acoustics Member 2013 - Present

-ASA School 2014