

Joshua Dickinson

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Portfolio: Amusesmile.com

Education

M.S. Multimedia Engineering, U.C. Santa Barbara, 2012.

B.A. Music Composition, Columbia University, 2010.

Professional Experience

Software Engineer, (Under Contract To) Slate Media Technology, January 2013-present

Developing audio software for the "Raven" audio mixing console for Slate Media Technology.

Freelance App Developer

Moholy-Nagy exhibition interactive touchscreen app for the Santa Barbara Museum of Art, 2015.

"StethIO" iPhone stethoscope app for recording and visualizing heartbeats, 2014.

Delacroix exhibition iPad app developed for the Santa Barbara Museum of Art, 2013.

Developer and Co-founder, Unfiltered Audio, September 2012-present

Unfiltered Audio is a company selling consumer audio plugins where I contribute DSP algorithms and UI design using C++ (unfilteredaudio.com).

Software Engineer, Freemix, September 2012-present

"Freemix" is an online tool for collaborative collaging build using Javascript and Node.js (freemix.com).

Software Engineer, RoSE Project, September 2011-August 2012

"Research-oriented Social Environment" (RoSE) is an NEH-funded software project developed through the UCSB English Department.

IT Assistant, UCSB Media Arts and Technology Department, September-December 2011

Assisted Larry Zins, the department IT Manager maintaining Unix servers (CentOS) and hardware.

NYC Taxi Driver, summer 2010 and 2011

Teaching Assistantships

CS 16: Problem Solving With Computers, Summer 2012

Functions, OOP, recursion, and pointers using the C programming language.

MAT 594CP: Open Projects in Optical/Motion-Computational Processes, Spring 2012

MAT 259: Visualizing Information, Winter 2012

I was in charge of the curriculum for the programming portion of this data-visualization course. Students were taught Processing and MySQL with an emphasis on knowledge discovery in databases.

Conferences and Publications

"Drip" Sound Installation

New Interfaces for Musical Expression Conference, Daejeon, South Korea, 2013.

Voice of Sisyphus: an Image Sonification Multimedia Installation

International Community for Auditory Display, Georgia, 2012.

Talking Heads: Speech Visualization of the Past and Present

Critical Themes in Media Studies Conference, New York, 2011.

Honors

Columbia University Dean's List, 2007-2010.

John W. Kluge Scholar, 2006-2010.

Skills

Hardware

Microcontrollers, Sensors, Motion-capture Interfaces, Audio Equipment, Arduino

Software

Processing, Max/MSP, Adobe Suite, General Audio Software, Xcode, Visual Studio, OSX, Windows

Programming Languages

C/C++, Javascript, Objective-C, Java, Unix/BASH, Python, Ruby, Perl, MATLAB, PHP

Spoken Languages

College Spanish

References

Dr. JoAnn Kuchera-Morin, Professor, Media Arts and Technology
(805) 893-3010, jkm@create.ucsb.edu

Prof. George Legrady, Experimental Visualization Lab Director
(323) 346-7619, legrady@arts.ucsb.edu

Larry Zins, IT Manager (MAT)
(805) 893-3050, larry@mat.ucsb.edu