Leonard M. Witzel

witzel@post.harvard.edu

160 W 123rd St #2, New York, NY 10027 **Tel: (617) 584-3214**

Education

Harvard University
Bachelor of Arts
- Humanities

Massachusetts College of Art
- Graphic Design

Reed College
- Philosophy
- Japanese literature and film

Computer Skills

OS & Server Technologies
- Unix: OS X, Free BSD, Linux
- SQL, Mongo, Asdpache, git, Heroku

Programming & Markup
- Python, JavaScript, PHP, R, Java
- HTML5, CSS3, JSON, XML, SVG, FLEX
- jQuery, d3.js, Pandas, Django, Flask NLTK, ActionScript3

Applications & Tools
- Illustrator, Photoshop, InDesign
- Fireworks, Flash
- Final Cut Studio

Work Experience

Zakipoint Health Cambridge / NYC 2013
VP UX Design and Engineering
Working on data analysis and visualizations for the healthcare and wellness industries. Main duties comprised data science R&D, software development, and UX work. Research and development was conducted in Python Pandas and R. Worked with structured and unstructured data, such as insurance claims, wellness biometrics, email, and twitter data. Wrangled various data formats, from flat files and CSVs to relational and NoSQL databases. Data visualization work was done in d3.js. Web applications built using Django, Bootstrap, jQuery and PHP. Built an interface for a partner company's medical data API. Also worked on projects involving social media data mining, Google Maps, and Twitter data APIs.

Andromeda Systems Jacksonville, FL. 2012
Software Engineer– R&D Contract
Worked on a research and development project for a defense contractor to solve an optimization problem regarding maintenance schedules for Navy squadrons. Built a model to test various optimization algorithms on a Navy database containing data on aircraft, available resources, and maintenance requirements. The model produced optimized schedules that effectively reduced waste of resources, while maximizing aircraft availability. Full integration with the existing system is currently planned, with projections for deployment in mid-2013.

CitizenCompass Cambridge, MA. 2011
UX Design and Front End Developer
Worked as part of a small development team with two other back-end developers for a startup specializing in local issues and politics. Developed front-end logic in JavaScript and Ruby. Created visuals and graphics for the web application as well as for branding purposes. Wrote style related code in Haml and CSS3. Redesigned the user interface and streamlined usability. Otherwise helped out with overall business strategy and steering of the technology and development.

Harvard University Cambridge, MA. 2007-2010
Academic Media Specialist
Supervised the operation of the Church Street Computer Facility media department at Harvard University. Provided computer and media support to faculty, administration, staff and students. Trained part-time student staff. Managed the AV support team, media help-desk, Multimedia Lab, and a call center for the Distance Education program. Developed and deployed server based in-house tools in PHP and AS3. Performed server system administration tasks.

Harvard University   Cambridge, MA. 2004-2007
Teaching Fellow in Graphic Design

Teaching Assistant for the Harvard Summer School class *Principles of Graphic Design*. Instructed two classes, one in computer aided graphic design, and the other in traditional media. Taught design techniques and concepts. Helped students develop solid ideas, and articulate those concepts in graphic form. Prepared and constructed class material. Helped in grading student work. Taught as a substitute in the professor's absence. Did much of the administrative duties for the class. Produced layouts of student works submitted to, and the cover design for *Harvard Summer Review*.

Harvard University   Cambridge, MA. 2009-2010
Videographer & Editor

Produced video recordings of professorial lectures and student presentations for three semesters of *The Art and Practice of Public Speaking*. Edited the footage inserting course materials such as slides and videos shown in class. Maintained the class website, converted and uploaded videos. Performed technical troubleshooting and acted as a liaison between the instructor and IT services.

Human Rights Watch   New York City, NY.
Internship as Translator & Interpreter

Translated and prepared documents concerning human rights violations in various Asian states for use by the Japanese government and other human rights groups. Wrote letters to the Japanese government and other human rights organizations. Interpreted for meetings between Asia Watch and Japanese human rights and law groups. Was also responsible for other general office work and research.

Freelance Design Work   Boston, MA. 2002-2006
Graphic Design and Web Design

Constructed websites, designed logos and printed materials such as posters, fliers, T-shirts, brochures and catalogues, for area businesses, non-profits and educational institutions. Some clients included O'Reilly Media, Suzuki School of Newton, and Harvard University.

Languages

English, Japanese, and German fluency,
French proficiency and some Chinese

Other Skills and Interests

- Architectural drafting (traditional non-CAD)
- Animation, 16mm film & video editing, multi-track audio recording
- Travel, photography, oil painting, cooking and pastry making, kendo, ukulele, aquarium

Mini Bio.

Born in Yokohama, Japan to German and Japanese parents. Spent childhood in Nepal, Japan, and the Netherlands before moving to the United States at age twelve. Educated under British, Japanese and American systems. Searching for the perfect career that would combine my creative and analytical strengths in an international setting.