

KEN-ICHI UEDA

PROFILE

I am a **web developer, designer, and naturalist** interested in **information visualization, interface design, and the intersection of biology and information**. I would like to combine my interests in science and information technology in a project-oriented, collaborative environment. Specifically, I would like to build upon my experience in user interface design, information visualization, web application engineering, and communicating scientific data to non-experts.

EXPERIENCE

STAFF RESEARCH ASSOCIATE II, UC BERKELEY, COLLEGE OF NATURAL RESOURCES BERKELEY, CA 2003-PRESENT

Worked with Prof. Maggi Kelly on visual design, architectural design, and implementation of web-based mapping and GIS products related to various research and outreach projects in the lab, including the Vegetation Type Mapping Project (<http://vtm.berkeley.edu>), OakMapper WebGIS (<http://www.oakmapper.org>), and the Sierra Nevada Adaptive Management Project (<http://snamp.cnr.berkeley.edu>).

USER INTERFACE DESIGN INTERN, GOOGLE, INC. MOUNTAIN VIEW, CA 2007

Contributed user interface designs and information visualizations for a data summary and reporting application within one of the Google's advertising products.

WILDLIFE BIOLOGIST / IT SPECIALIST, SWAIM BIOLOGICAL, INC. HAYWARD, CA 2005-2006

Primarily performed duties of a wildlife biologist, which entailed installing and checking animal traps, herpetological surveys, identifying and processing reptiles and amphibians (including PIT-tagging), and recording data. I was also responsible for much of the IT management at the company, including administrating two UNIX servers, a MySQL database, the company website and intranet, acquiring new hardware, developing documentation on database usage for project managers, and developing new functionality for the company website. I also designed the front-end of the public website currently used at <http://www.swaimbio.com>.

EDUCATION

University of California, Berkeley, School of Information — Masters in Information Management and Systems, 2008

Williams College, Williamstown, MA — B.A. Biology, 2003, Magna Cum Laude, Phi Beta Kappa

SKILLS

I am proficient in several programming languages, including Python, Ruby, and PHP, and am familiar with Javascript and Java. I have built web sites using both the Rails and Django web development frameworks, and have used and administered several relational databases, including MS Access, MySQL, and PostgreSQL.

For visual design, I have used Adobe Photoshop, Inkscape, and The GIMP extensively, and I am familiar with Adobe Illustrator and InDesign.

I also have experience with GIS packages like ESRI ArcGIS 9 and ERDAS IMAGINE. Most of my webGIS projects have involved Mapserver, PostGIS, and either Google Maps or OpenLayers.

I am also an avid amateur naturalist, and am always trying to learn more about the flora and fauna of the San Francisco Bay Area.

REFERRALS

Alex Cook, Google, Inc. <acook@google.com> (user interface design, visual design)

Dr. Maggi Kelly, UC Berkeley <mkelly@nature.berkeley.edu> (web development, visual design, GIS)