

# 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 on my experience in interface design, information visualization, web application engineering, and communicating scientific data to non-experts.

## SKILLS

I am proficient coding in Python, Ruby, and Javascript, and am familiar with PHP and Java. I have built web sites using both the Rails and Django web development frameworks, and have used and administered several databases, including MySQL, PostgreSQL, and MongoDB. I am comfortable working with Mac OS, Windows, and command-line UNIX-based operating systems.

I have extensive experience designing and implementing user interfaces for websites and novel information visualizations for various domains.

My undergraduate experience focused on microbiology, molecular biology, and ecology, and included a senior thesis primarily involving bench work. I continue to have an avid interest in biology at all scales, and have experience with several bioinformatic tools and databases.

## EXPERIENCE

### **SOFTWARE ENGINEER, GOODREADS.COM** SAN FRANCISCO, CA 2008-2011

Worked on numerous features using the Ruby on Rails web development framework for a social network of millions of book lovers. Achievements included implementing redesigns for the book page and the newsletter, building the majority of the application and front-end layers of the Bookswap feature, and designing and implementing book management and information visualization features.

### **COFOUNDER, INATURALIST.ORG** OAKLAND, CA 2007-PRESENT

Conceived and co-founded a social network for amateur and professional naturalists to share their observations from the natural world. Designed, coded, and maintained the majority of the site, initially in collaboration with two other students at the UC Berkeley School of Information, but alone since 2008.

### **STAFF RESEARCH ASSOCIATE II, UC BERKELEY, COLLEGE OF NATURAL RESOURCES** BERKELEY, CA 2003-2008

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, 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 administering UNIX servers, databases, the company website and intranet, hardware acquisition, and documentation.

## 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

## REFERRALS

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

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

Michael Economy, Goodreads.com <[michael@goodreads.com](mailto:michael@goodreads.com)> (web development, interface design, RoR)