

# David Ziegler

---

19 Boardman Pl APT 2 • San Francisco, CA 94103 • 513-543-9722 • [david.ziegler@gmail.com](mailto:david.ziegler@gmail.com)

---

## **EDUCATION:**

**Stanford University**, Stanford, CA (9/06 – 3/08)

Master of Science in Management Science and Engineering, Operations Research concentration  
Additional coursework in machine learning, probability, and design

**Case Western Reserve University**, Cleveland, OH (8/02 – 5/06)

Bachelor of Arts in Mathematics and Economics, minor in Political Science  
Additional coursework in computer science, probability, and statistics.

## **COMPUTER SKILLS:**

Python, Django, Javascript/AJAX, jQuery, HTML, CSS, SQL, Matlab, SVN, Git. Previous experience with C, Objective-C, C#, Lisp, Stata, SAS, R, GAMS.

## **WORK EXPERIENCE:**

**Lead Developer**, Mingle LLC, San Francisco, CA (10/09 – Present)

Worked with a small team as lead backend developer to launch mingle.com. Created analytic tools for conversion and usage tracking. Responsible for caching, scalability, new features, and overall site performance.

**Web Developer**, Freelance, San Francisco, CA (1/09 – 10/09)

Freelance and consulting web application development for various clients using Django and jQuery. Frontend development, backend development, and software design on wide-ranging consumer facing projects. Responsible for drafting and implementing technical specifications, iterating upon user feedback, and maintenance after deployment.

**Intern**, Numenta, Menlo Park, CA (6/07 – 9/08)

Conducted research on fault detection in power system, optical character recognition, computer vision attention mechanisms, and object recognition using LIDAR data. Unsupervised and supervised learning algorithmic research. Used machine learning to provide proof of concept for the company's algorithms and technologies.

**Research Assistant**, Department of Economics, Case Western Reserve University, Cleveland, OH (9/05 – 6/06)

Programmed and administered economics experiments testing game theoretic concepts under supervision of Professor David Cooper.

**Research Assistant**, Department of Economics, Case Western Reserve University, Cleveland, OH (5/05 – 8/05)

Researched legislation, rules, and distribution systems for cadaveric kidney allocation under supervision of Professor Mark Votruba. Analyzed different matching algorithms and their effects on efficiency-equality tradeoffs while handling large datasets.

**Research Assistant**, Department of Economics, Case Western Reserve University, Cleveland, OH (5/04 – 8/04)

Researched methods to measure the productivity of adjunct faculty in higher education under supervision of Professor Eric Bettinger. Organized and handled large datasets collected from Ohio universities.

## **Honors and Awards:**

Case Western Reserve University Provost Scholarship, 2002 – 2006

Case Western Reserve University Department of Economics Robert N. Baird Award, 2006

Case Western Reserve University Experiential Learning Fellowship Research Grant, 2004

Case Western Reserve University SOURCE Research Grant, 2005

SOURCE Undergraduate Research Symposium, First Place in Social Sciences, 2006

Bowling Green State University Undergraduate Economics Conference, Second Place, 2006

