

David Ziegler

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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, HTML, CSS, Matlab, Stata, TeX, SVN. Experience with C++, Objective-C, Cocoa, C#, SAS, R, GAMS, SQL. Experience with Windows, Linux, and Mac OS platforms.

WORK EXPERIENCE:

Intern, Numenta, Menlo Park, CA (5/08 – 9/08)

Conducted research on optical character recognition and object recognition using LIDAR data. Unsupervised and supervised learning algorithmic research. Structured a public challenge built around OCR research.

Independent Contractor, Numenta, Menlo Park, CA (9/07 – 3/08)

Conducted research on optical character recognition and explored computer vision attention mechanisms.

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

Conducted research on fault detection in power systems, and optical character recognition. 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