

DAVID S. HOROWITZ

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PROFILE

- Web 2.0 software developer with 6 years of experience leading software through the development lifecycle.

SOFTWARE DEVELOPMENT SKILLS

Programming Languages

- Object-oriented **PHP5**
 - **Symfony** framework for rapid application development
- Object-oriented **Javascript**
 - **ExtJS** library for Ajax and professional UI components
- Proponent of using standard design patterns in web development, especially model-view-controller (MVC)
- Consistently use RAD, DRY, and KISS development methodologies

Database Management

- Relational database design and table normalization
- Writing complex **SQL queries**
- Object-relational mapping (ORM) techniques
- Experience managing mission-critical **MySQL** databases
- Have also worked with PostgreSQL and Oracle

WORK EXPERIENCE

THE WORLD BANK, *Washington, D.C.*

May 2006 to date

- Lead developer of some of the Bank's latest Web 2.0 products: **iSimulate** (<http://isimulate.worldbank.org>) for collaborative economic simulations, the **World Bank API** (<http://developer.worldbank.org>) for data mashups, and **iChart** for customizable data visualizations.
- Initiated talks with Bank partners (including the UN, IMF, OECD, and IFC) with the goal of improving collaboration between the institutions via the adoption of Web 2.0 software.
- Presented iSimulate at the Annual Bank Conference on Development Economics '08 in Cape Town, South Africa as well as the OECD's Seminar on Innovative Approaches to Turn Statistics into Knowledge '09.

CENTER FOR ADVANCED TRANSPORTATION TECHNOLOGY, *College Park, MD*

May 2003 to May 2006

- Developed an incident management system used by the Northern Virginia Dept. of Transportation.
- Led the development of a regional traffic map, which provides a live graphical display of traffic conditions around the Baltimore/Washington corridor.

EDUCATION

The University of Pennsylvania / The Wharton School

Master's of Science in Engineering in the Management of Technology, via the Executive Master's in Technology Management (EMTM) program, expected 2012

The University of Maryland at College Park

Bachelor of Science, Computer Science

Bachelor of Arts, Economics

PUBLICATIONS

- Horowitz D., Burns A., Rajadhyaksha G.S., Timmer H., (2007) An Internet-based Computational Environment for Economic Simulation Models (poster), 13th International Conference on Computing in Economics and Finance, Montreal, Canada

HONORS AND AWARDS

- World Bank Vice Presidential Team Award, December 2009 (given for outstanding results-oriented innovation)
- World Bank Group Spot Award, June 2007 (given for improving my unit's productivity and efficiency)
- University of Maryland Dean's List (four times)