

# Nate Duffy

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## Education

**Rensselaer Polytechnic Institute (RPI)**, Troy, NY Expected Graduation: December 2012  
B.S. in Information Technology and Web Science  
Concentration in Entrepreneurship  
▶ Current GPA: 3.24/4.0 | Dean's List 7 semesters

## Experience

**Fidelity Investments Intern**, Lead Developer, Merrimack, NH Summer 2011, 2012  
▶ Worked with PHP, MySQL, JavaScript, HTML, and CSS, to further develop a web application for keeping track of electronic invoices.  
▶ Enhanced user experience by introducing a performance-focused separation of client-side and server-side processing.  
▶ Cut query execution time by restructuring the existing database architecture and minimizing queries performed on MySQL views.

## Skills

**Languages, frameworks, etc.:** Python, Ruby, PHP, SQL, JS, jQuery, CSS, HTML, C++  
**Other:** UNIX, Apache, responsive web design, Adobe Photoshop

## Coursework

**Data Resource Management**, RPI Spring 2012  
▶ Created a TPS, a data warehouse, and an online analytical processing (OLAP) cube using Microsoft applications.  
▶ Experimented with extraction transformation and loading (ETL), and data mining.  
**Managing IT Resources**, RPI Fall 2011  
▶ Developed a mobile application (using responsive web design) for a startup company's existing service.  
▶ Identified a wide range of considerations regarding IT and IS implementations in competitive organizations.  
**Web Science**, RPI Fall 2011  
▶ Examined characteristics of the web since its conception and hypothesized about the future of the semantic web.  
▶ Created small web apps, in teams, that exemplified each stage of the web.

## Additional Experience

**Pi Kappa Phi Fraternity**, Historian, Social Chair, Risk Management Spring 2011, Fall 2012  
**Tri-M Music Honor Society**, Hollis-Brookline High School