

# Nathan Duffy

E-mail: nate.duffy@gmail.com ■ Phone: 603.566.4820 ■ Website: nateduffy.com

School Address: 49 Second Street, Troy, NY 12180

Permanent Address: 3 Bear Hill Road, Brookline, NH 03033

---

## OBJECTIVE

To build databases, design information organization, and enhance user experience for a technologically innovative and web-focused company.

---

## 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

---

## WORK EXPERIENCE

**Fidelity Investments Intern**, Lead Developer, Merrimack, NH

Summer 2011, 2012

- Worked with PHP, SQL, 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.

**RPI Electrical Engineering Department**, Work Study, Troy, NY

September 2008 – December 2010

- Assisted staff on various projects (e.g. employee evaluations, employment applications).
- Tasks have included the use of MS Word and Excel.

---

## RELEVANT COURSEWORK

**Data Resource Management, RPI**

Spring 2012

- Created a TPS, a data warehouse, and an online analytical processing (OLAP) cube using Microsoft products.
- 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.

**Web Systems Development, RPI**

Spring 2011

- Explored different web technologies and programming languages, their uses and standards.
- Utilized these technologies to perform a variety of tasks, such as database management and handling third-party data.

---

## SKILLS

Experienced in: Adobe Photoshop, phpMyAdmin, UNIX, Apache, responsive web design

Languages, frameworks, etc.: PHP, MySQL, MS SQL, CSS, JavaScript, jQuery, HTML, C++, C

---

## ADDITIONAL EXPERIENCE

Pi Kappa Phi Fraternity, *AT Chapter Historian*

December 2010 – May 2011

Tobacco Haven, Brookline, NH, *Machine Maintenance*

June 2009 – August 2010