**Neal Alves**

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222 Pawtucket Street, #450, Lowell, MA 01854

**OBJECTIVE**

Internship in R&D, with an emphasis on new chemical formulations that improve the way technological devices function. Particular interest in nanotechnology.

**EDUCATION**

**Bachelor of Science, Chemical Engineering** AnticipatedMay 2016

*Concentration:* Nanotechnology

University of Massachusetts, Lowell, MA

GPA: 3.39 (Dean’s List)

**COMPUTER SKILLS**

Programming: MATLAB, ANSI C

Design Software: AutoCAD, Inventor

Microsoft Tools: Visio, Word, PowerPoint, Excel

**INTERNSHIPS & PROJECTS**

**R&D Intern, ModernChem,** Needham, MA January - May 2015

* Saved company $10,000 through self-directed experimental findings.
* Formulated own solvent mixture to be tested as potential new product.
* Assisted in formulations, cost analysis, and coating analysis, identifying the best removing agent for each major product line.
* Wrote project reports and created PowerPoint presentations for staff.

**Warehouse Energy Cost/Benefit Analysis Project** Fall 2014

* Based on case study, determined amount of energy per year used to heat/cool facility.
* Analyzed costs, including rate factor changes and inflation.
* Reviewed several energy options to recommend a clean, efficient and low cost solution.
* Recommended the purchase of a new, environmentally friendly HVAC system.

** Emissions Prevention**  Spring 2014

* Calculated the amount of carbon dioxide prevented from entering the atmosphere due to the government incentive "Cash for Clunkers."

**WORK EXPERIENCE**

***Tutor*, University of Massachusetts Lowell Centers for Learning** January 2014 – Present

* Tutor students individually and in groups in Organic Chemistry, Calculus, and Physics.
* Provide suggestions for test preparation and time management.

***Customer Service Associate*, Market Basket**, Plaistow, NH July 2010 – Present

* Unpack produce and set-up displays for customer convenience.
* Assist customers to locate items, maintaining a positive and helpful attitude.