**OBJECTIVE** To utilize my skills and realize my full potential in a challenging and productive environment.

**EDUCATION AppAcademy –** San Francisco, CA, July 2013

**Rochester Institute of Technology** – Rochester, NY

**Bachelor of Science in Mechanical Engineering,** May 2012

**Master of Engineering in Mechanical Engineering**, May 2012

**Graduated with Highest Honors**

Liberal Arts Concentrations in Business and Communications

RIT Merit Scholarship recipient

RIT Dean’s List

**SKILLS Programming Languages:** Ruby, SQL, Rails, HTML, Javascript (backbone.js), git

**Software Packages:** MATLAB (and Simulink), Microsoft Office (Word, Excel, PowerPoint), Microsoft Windows, Mac OS X

**EXPERIENCE ZDS Design/Consulting Services** **–** St. Albans, WV Jun. 2012 to Present

*Design Engineer*

* Streamlined the adoption of a new software, Autodesk Revit, into the company workflow
* Designed the electrical systems for a building according to guidelines and codes (electrical distribution systems, lighting systems, miscellaneous electrical systems)
* Designed the mechanical HVAC systems for buildings (AHU, VAV, and duct sizing)
* Replaced old methods of design with new, more efficient, and computerized methods

**Impact Sensors** **–** Rochester, NY Mar. 2012 to May 2012

*Engineering Co-op*

* Analyzed massive amounts of data collected from sensors deployed in various locations around the country with MATLAB
* Improved MATLAB algorithms regarding graphics generation, particle detection, particle simulation, and database operations.
* Innovated a process of handling small metal particles (<100 micron) for the purpose of equipment testing

**National Aeronautics and Space Administration** **–** Cleveland, OH Jan. 2011 to Apr. 2011

*Intern*

* Improved the graphical user interface of the Commercial Modular Aero-Propulsion System Simulation version 2 (C-MAPSSv2)
* Used MATLAB and the graphical user interface design environment (GUIDE) extensively
* Efforts culminated in an update to the original program and a published user’s guide

**PROJECTS Rap Genius Clone (rapgenius-appacademy.herokuapp.com)**

* Clone the popular “rapgenius.com” with features like sign-in/out, upload song lyric, annotate, etc.
* Utilizes ruby on rails framework, postgresql, backbone.js, heroku, git and a multitude of gems.

**Github (https://github.com/wwc278)**

* Contains all projects worked on while at AppAcademy.
* Includes solo as well collaborative (pair-programming) projects

*References Available Upon Request*