**Address: Richard Rakowski Home Address:**

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Boston MA, 02215 (201) 421-0451 North Arlington, NJ 07031

**OBJECTIVE**

* An opportunity to contribute my engineering knowledge, skills, and work ethic to an innovative startup

**EDUCATION**

**Boston University College of Engineering,** Boston, MA

* Bachelor of Science in Aerospace Engineering May 2012
* GPA: 3.36/4.0

**Relevant Coursework**

* Materials Processing, CAD, Simulation, Instrumentation and Theory of Experiment, Flight Vehicle Design, Inventing and Intellectual Property, The Business of Technological Innovation, Product Development

**SKILLS**

* **Software:** Matlab, SolidWorks, COMSOL, ProfiliPro, AVL, Linair,
* **Technical:** Welding, Soldering

**PROJECTS**

**Senior Capstone Project: The Aquaflyer**

* Designed a medium sized commercial seaplane intended to relieve airport congestion
* Modeled aircraft in AVL and Linair to compute aerodynamic loads and stability derivatives
* Optimized fuselage design using SolidWorks Flow Simulation to obtain drag results
* Fabricated parts using a laser and 3D printer from SolidWorks files
* Built an extensive mock-up with those parts highlighting key aspects of design

**Inventing Group Project**

* Invented a product that can store and spread butter
* Wrote a mock patent including prior art and a set of claims
* Constructed a rapid prototype with the aid of a 3D printer and Solidworks
* Presented and defended the patent and invention to the class

**Computer Aided Design Group Project**

* Designed a popcorn popping device
* Created 3D drawings, schematics, and animations using Solidworks
* Simulated heat flow, static tests, and drop tests using COMSOL 4.0 and Solidworks

**EXPERIENCE**

**Boston Startup School** June 2012 - Present

* An immersive,six-week, full time experience that educates participants on startup culture and team dynamics with a focus on product design

**Boston University Dining Services** March 2010-December 2011

* Team driven work environment with responsibilities in food preparation, cooking, and distribution as well as several months of cardboard bailing experience

**ACTIVITIES & INTERESTS**

* Saxophonist, Accordionist, primarily in jazz and any music with improvisation
* Avid reader of military history, specifically the World Wars