**William (Billy) Ermlick**

Primary Address ermlickw@vt.edu Secondary Address

4215 Mozart Brigade Ln. Cell: (703) 554-3241 14514 Flag Staff Court

Fairfax, VA 22033 Centreville, VA 20121

**EDUCATION**

**M.S. Data Analytics**  **GPA: 4.0 Graduation: ~July 2019**

George Mason, Fairfax, VA

**B.S. Engineering Science and Mechanics** **GPA: 3.92 Graduation: May 2016**

*Minors: Mathematics / Science, Engineering and Law* Commonwealth Scholar Diploma

Virginia Tech, Blacksburg, VA

**Honors:** Dean’s List all semesters, Pratt Engineering Scholarship (2012), Honors Awards Dinner (2013), ESM Advisory Board Scholarship (2015), John B. Greiner Engineering Scholarship (2015), AIAA Region I Young Professional, Student, and Education Conference Undergraduate Award (2015), Virginia Tech University Honors: Commonwealth Scholar Diploma, Accelerated Undergraduate/Graduate Master’s Program in Engineering Mechanics (2015), ESM Outstanding Senior Award (2016), Best Senior Design Project Peletta Award (2016)

**PROFESSIONAL EXPERIENCE**

**Patent Examiner, United States Patent and Trademark Office (USPTO)** June 2016-Present

**Alexandria, VA**

* Prepared quasi-judiciary decisions on the patentability of applications filed before the Office
* Conducted interviews with patent applicants
* Automated several office tasks utilizing Visual Basic and Microsoft Excel

**Intern, Harrity & Harrity LLP** Summer/Winter 2014, 2015

Fairfax, VA

* Drafted several patent applications relating to wireless communications, and business methods
* Prepared several Office Action responses
* Streamlined collection and analysis of client patent data by programming automated data collection tools
* Automated several office tasks using Visual Basic and Microsoft Excel
* Created a database for CPC patent classification codes
* Prepared formal reports on competitor firms and international firms

**LICENSES**

**Real Estate Agent (Inactive)** Mar 2018

**Virginia**

* License No: 0225234459

**PROJECTS & RESEARCH EXPERIENCE**

**Robotic Batoid Prototype** January 2015—May 2016

Crashworthiness for Aerospace Structures and Hybrids (CRASH) Lab

Dr. Javid Bayandor and Dr. Sunny Jung at Virginia Tech

**Automatic Brake System for Wheeled Walker** March 2015—April 2015

Department of Biomedical Engineering and Mechanics

Dr. Sunny Jung at Virginia Tech

**Vortex Induced Vibration (VIV) Modeling** May 2014—December 2014

Department of Biomedical Engineering and Mechanics

Dr. Mark Stremler at Virginia Tech

**TECHNICAL SKILLS**

|  |  |  |
| --- | --- | --- |
| * R * Visual Basic * Python | * Microsoft Excel, Office * Mathematica * MATLAB * Microsoft Excel, Office * C++ | * C++ * Autodesk Inventor Professional * LabVIEW |