**Erik Hoffman  
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**Work Objective:**

My work objective is to find a position that allows me to use my strong background in computer science and software engineering skills to work on innovative technologies and advancements. In combination with these credentials I would apply my well developed team working abilities gleaned from both my work experience and software development lifecycles. I believe that both of these areas go hand-in-hand in creating successful projects.

**Education:**

**University of Guelph: Bradford District High School:** Bachelor of Computer Science Honours 80+ average all 4 years  
 Mathematics Minor Graduated as Ontario Scholar  
 Fall 2012 - Fall 2016 Graduated in 2011

**Work Experience:**  
**Power Washing: June 2013-Present**Waterworks Powerwashing Solutions, Guelph, Ontario  
June 2013-Present  
Phone: 1-519-803-8144

* Train new employees to meld them into a safe, efficient and enjoyable workplace environment
* Maintain safety measures around dangerous equipment (power washer, gas and chemicals)



**University of Guelph Projects:**

**Truform Workout App** please see: <https://bitbucket.org/benbaird/truform>

* Group project with goal of using gesture recognition to analyze workout form using an arduino computer paired with an android app
* My responsibilities were to design and implement the algorithms for real time data analysis polled from gyroscope and accelerometer
* Our group accomplished our goal and the project was well received by our professor

**Notable Courses Completed**

|  |  |  |  |
| --- | --- | --- | --- |
| Data Structures | Networking and Web Development | Operating Systems | Discrete Mathematics |
| Combinatorics and Graph Theory | Algorithms | Security (RSA and prime mathematics) | Microprocessors and Assembly |
| Theory of Computation | Databases (SQL, Table/Structures, Relational Query Design, Design Fundamentals) | Artificial Intelligence | File Storage Structures and Data Retrieval |

**Programming Languages Used  
C** (proficient), **C++**(intermediate), **Java** (intermediate), **Python** (intermediate/proficient), **Ruby** (basic**), HTML/Javascript/CSS** (intermediate), **Assembly** (intermediate), **MySql** (intermediate)  
  
 **Volunteer Work:**

Bradford Public Library  
Reading Buddies Program: September 2008 - June 2009

* Assisted a child in improving their reading abilities for an entire school year