# 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:**
Bachelor of Computer Science Honours
Mathematics Minor
Fall 2012 - Fall 2016

**Bradford District High School:**
80+ average all 4 years
Graduated as Ontario Scholar
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