Erik Hoffman

Address: 12 Knevitt Pl. Guelph, Ontario, N1G2S7|**Home Phone#**: 1-289-383-4992|**Email**: erik_hoffman@outlook.com

Web: erikhoffmancs.com

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 life cycles. I believe that both of these areas go hand-in-hand in creating successful projects.

QUALIFICATIONS

- Multiple years of programming in C, Python, Java, HTML, Javascript, AngularJS, NodeJS, C++, CSS
- Beginner to intermediate knowledge of assembly language coding and structures
- Working knowledge and experience for revision softwares like git/svn in command line and IDE use
- Experience creating a compiler from scratch, knowledge of DFA/NFA state machines for practical use
- Knowledge of command line interface (gcc, vim, linux commands, etc.)
- Experience and course knowledge on database management and creation as well as file storage structures (extendible hashing, buckets, etc)
- Strong mathematics background from minor in mathematics
- Knowledge of statistics as well as statistics involving integration/calculus

EDUCATION

UNIVERSITY OF GUELPH   Guelph, ON
Bachelor of Computing (BCOMP)   Fall 2012 – Fall 2016
Computer Science Major

Mathematics Minor

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 Language, Theory of Computation, Databases, Artificial Intelligence, File Storage Structures and Data Retrieval.

BRADFORD DISCRICT HIGH SCHOOL   Bradford, ON
Ontario Scholar all 4 years (80+ average)   Fall 2007 – June 2011
Took Computer Science courses offered grades 10, 11 and 12

EXPERIENCE

UNIVERSITY OF GUELPH   Guelph, ON
TA for CIS1200 Introduction to Computing Course   Fall 2016 – December 2016
- Assist students with learning basics of computing: Microsoft Word, Excel, Powerpoint and Access as well as Javascript
- Grade assignments from students and host office hours/answer emails in order to provide students a cohesive learning environment

CIBC: TECHNOLOGY AND OPERATIONS DEPARTMENT   Toronto, ON
Intermediate Application Developer   January 2017-Present

- Quickly learned a project in development in order to become familiar with the platform and develop new infrastructure
- Used modern development tools and languages such as AngularJS, NodeJS, Gulp, Jira, Bitbucket

PROJECTS AND ACHIEVEMENTS

TRUFORM WORKOUT APP   please see: https://bitbucket.org/benbaird/truform
- Uses Arduino computer with gyroscope and accelerometer linked with smartphone app in order to measure workout data.
- My contribution were the algorithms that measured that data after it was collected by the app from the device.
- Our group set ourselves an admirable goal according to the professor and accomplished everything we set out to do.

VOLUNTEER WORK

BRADFORD PUBLIC LIBRARY   Bradford, ON
Reading Buddies Program   September 2008 - June 2009
- Assisted a child improve their reading abilities over an entire school year; measuring progress frequently with parents