Brian Nixon

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OBJECTIVE
A software engineering internship for the Summer 2009 hiring period with a focus on internet applications.

EDUCATION
University of Michigan, Ann Arbor, MI
B.S. Computer Science, Expected in May 2010
B.S. Mathematics (Honors Program), Expected in May 2010
GPA 3.90/4.0

EXPERIENCE

Northern Kentucky University, Highland Heights, KY   Summer 2008
Researcher

- Studied the new area of algebraic attacks on symmetric and asymmetric ciphers including AES, SMS4, HFE, and Keeloq.
- Involved in the development of a new asymmetric cipher in the HFEf family variant. Examined its resistence to a variety of algebraic attacks using the Magma programming language.

University of Michigan, Ann Arbor   Fall 2007, 2008
Grader, Mathematics Department

- Worked under strict deadlines; consequently developed time management skills.
- Graded graduate level courses.

COURSEWORK
Introduction to Operating Systems
Database Management Systems
Data Structures and Algorithms

SKILLS
Adept at programming in C, C++, and Magma. Gaining knowledge of Java and SQL.
Currently studying multithreading.
Interest in learning Python.
Mathematical background yields strong grasp of algorithms.
Research experience developed technical communication skills.

ACTIVITIES
Innoworks Science Camp 2008
CSE Scholars 2008

HONORS
Awarded William J. Branstrom Freshman Prize
Salutatorian Ludington High School Class of 2006
Local Google Puzzle Challenge Winners 2008

References provided on request