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## Nathan Harmata <nharmata@andrew.cmu.edu>

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703-946-5418

Citizenship Status: U.S. Citizen

### EDUCATION

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**Carnegie Mellon University, Pittsburgh PA** *May 2012*

- Bachelor of Science, Computer Science. Math minor.
- Cumulative QPA of 3.42

**Thomas Jefferson High School for Science and Technology (TJHSST), Alexandria VA** *June 2008*

- Cumulative GPA of 3.98

### WORK EXPERIENCE

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**Virtual Solutions Incorporated, Cambridge MA** *Summer 2010*

#### Summer Internship

- Developed original computer vision technology for vCapture, a document processing product, in C#.

**OR Concepts Applied, Whittier CA** *Summer 2009*

#### Summer Internship

- Tested ALOA, a product that simulates control of multiple unmanned aerial vehicles (UAVs).
- Attended Association for Unmanned Vehicle Systems International (AUVSI) North America 2009 Conference.

**EMC Corporation, Alexandria VA** *Summer 2008*

#### Summer Internship

- Developed a variety of small to mid-sized system tools in C++.

**Carnegie Mellon University, Pittsburgh PA** *Fall Semester 2010*

TA for 15-212 "Principles of Programming"

**Carnegie Mellon University, Pittsburgh PA** *Spring Semester 2009 and Fall Semester 2009*

TA for 15-121 "Introduction to Data Structures"

**Fairfax County Public Schools, Alexandria VA** *Summers 2005-2007*

Summer School TA for "Introduction to Computer Science"

### TECHNICAL SKILLS

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- Experienced in C, C++, C#, F#, Java, SML, and Unix shell scripting.

### ACTIVITIES

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**OR Concepts Applied** *Summer 2009*

#### Side Project

- Created a bot for a computer racing game, making use of computer vision techniques, in Java.

**TJHSST** *2007-2008*

#### Senior Research Project

- Created a font generic Optical Character Recognition (OCR) system completely from scratch in Java.

**Fort Hunt Youth Athletic Association** *2005-2008*

#### Little League Baseball Umpire

- Worked regular-season, playoff, and AAU games.