

# Dustin Swan

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## Objective

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To obtain a position that utilizes my engineering education and interests in the fields of computer science and mathematics.

## Education

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University of Illinois at Chicago (UIC)

May 2007

- Bachelor of Science in Bioengineering
- Minors: Mathematics and Computer Science
- Major GPA: 3.4 / 4    Overall GPA: 3.2 / 4

## Coursework

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|--------------------|--|
| - Mathematics      | Calculus I - IV, Differential Equations, Linear Algebra  |
| - Computer Science | C++, FORTRAN, Java, Visual Basic, Algorithms, Languages and Automata, Data Structures I, II                        |
| - Electronics      | Pattern Recognition, Signal Analysis, Discrete Continuous Signals and Systems                                      |
| - Biology          | Modeling Physiological Data and Systems, Bioinformatics, Biostatistics, Bioinstrumentation, Genetics, Biomaterials |

## Technical Skills

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|--------------------------|--|
| - Languages              | PHP, JavaScript, XML, HTML, CSS, SQL                                   |
| - Frameworks / Libraries | CakePHP, Code Igniter, JQuery, AJAX, Drupal                            |
| - Systems                | Linux, *BSD, Mac OS X, Microsoft Windows                               |
| - Software / Tools       | Microsoft Office (Word, Excel, PowerPoint), Open Office, MATLAB, MySQL |

## Work Experience

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IOCOM Integrated Communications, Chicago, IL

2009 - 2010

*Web Application Developer*

- Developed and maintained the video conferencing web application.
- Designed and developed server management and configuration scripts and web front-ends.
- Designed user and customer portal.

Abbott Laboratories, Abbott Park, IL

2007 - 2009

*Validation Engineer*

- Managed projects and assembled cross-functional teams to construct change plans and assess product impact.
- Authored changes to testing documentation and product design records.
- Processed changes to quality system and product documents to comply with medical device regulatory requirements.
- Programmed automated testing control procedures using the Laboratory Information Management System (LIMS).

Hoekstra Heating and Cooling, Homewood, IL

2003 - 2006

*Driver and Installation Assistant*

- Deliver HVAC equipment from warehouses to job sites.
- Assist in the installation of refrigeration lines and equipment.

## Memberships

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| - Association for Computing Machinery (ACM), Member | 2005 |
| - Biomedical Engineering Society (BMES), Member     | 2005 |