

# TIMOTHY ALEC DUPONT HENDERSON

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## Objective:

An internship in a field related to software development. Looking to apply academic knowledge in a business setting and gain valuable industry experience.

## Education:

**Case Western Reserve University**, Cleveland, Ohio

Bachelor of Arts, Computer Science, May 2011

Minor: Mathematics GPA: 3.742

Dean's Honor List: Fall 2007, Fall 2008, Fall 2009; Dean's High Honor List: Spring 2008, Spring 2009

## Course Work:

**Technical Classes:** Linear Algebra, Computer Networks, Graduate Filestructures, Graduate Databases, Computer Architecture, Operating Systems, Database Systems, Digital Logic Lab (FPGA Based), Analysis of Algorithms, Compiler Design, Differential Equations, Data Structures, Discrete Mathematics, Vector Calculus, Digital Design.

## Selected Work Experience:

### Cigital Inc.

Sterling, Virginia

Intern - May of 2009 to

Worked on a Static Analysis Framework under John Steven. Designed, and built a custom Object Relational Mapping, and Query Language for security findings across a variety of formats. Researched comparing security findings across tools, project versions, and assessments.

### Center for Proteomics - Case Western Reserve University

Cleveland, Ohio

Intern - Spring, Fall Semesters of 2008

Developing software to analyze results from proteomic experiments using the Linux operating system, Apache Webserver, MySQL database, and Python programming language. Responsible for writing, testing, and deploying the software.

### Pointe Blank Solutions

Cleveland, Ohio

Intern - Summer of 2008

Developing business software using Microsoft Visual Studio 2008 and SQL Server 2005 using the C# programming language. Software uses a combination of WinForms and Windows Presentation Foundation for the graphical presentation level.

## Skills:

**Programming Languages Known:** Python, C, C#, Google Go!, Java, Perl, PHP, Visual Basic, Javascript, HTML, CSS, T-SQL.

**Computing Environments Regularly Used:** Linux (Debian and SUSE based varieties), Windows (95/98se/ME/XP/Vista), Mac OS 10.x.

**Development Environments Used:** Vim, Python IDLE, Kate (text editor), Visual Studio 2008 (full edition), MPLAB, various other IDE's.

**Also Familiar With:** Apache Web Server with PHP, Perl, and Python, Open GL (limited), Microsoft XNA Framework, wxWidgets GUI Toolkit, Python Image Library, Python Encryption Toolkit, WinForms, SQL Sever 2005, MySQL, SQLite3, Bash, SSH, Git, SVN, Fortify (Limited), O2 (Limited), AppScan (Limited), Nmap.

**General Software Skills:** Microsoft Office, Open Office, Adobe Photoshop, GIMP, Scribus Layout Software.

## Interests:

Programming Languages, Security, Open Source Software, Swing Dance, Soccer, Theater, Flying, Skiing, Books.