

## Chris Acheson

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website: <http://chrisacheson.net>

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## SUMMARY

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Software Developer with a strong background in computer science and software engineering. Skilled in a wide range of languages, tools, and systems. Experience includes cryptography and web-application security practices. Good interpersonal communication skills. Excellent problem solving skills. Self-directed and capable of independently identifying and implementing application design improvements.

## PRIMARY SKILLS

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*Programming Languages:* C/C++, C#, Java, PHP, Python, Javascript  
*Web App Frameworks:* ASP.NET, ASP Classic, Django, CakePHP, jQuery  
*Databases:* Oracle, MySQL, Microsoft SQL Server  
*Operating Systems:* Linux (Debian, Gentoo, Ubuntu), Windows (9x, 2000, XP, 7)

## EDUCATION

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**Rochester Institute of Technology**, Rochester, New York  
Bachelor of Science degree in Computer Science, May 2008

## FREELANCE PROJECTS

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- PGP authentication module for Django-based websites
- Set up VPS with Apache vhost support
- Bitcoin web-wallet plugin for Wordpress
- Set up online shopping cart, customized to accept Bitcoin and display prices in both bitcoins and US dollars
- Script to migrate videos from Justin.tv to Youtube
- Trending posts plugin for Wordpress, built on Woopra API
- Ongoing development of sports bet tracking website

## EMPLOYMENT

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**Web Developer**, 24/7 Software Solutions, Pahrump, Nevada  
2013-2014

Used Python, Django, and Javascript to develop and maintain company's custom CMS system.

- Updated existing codebase to Python PEP8 standards.
- Migrated CMS from Django 1.4 to 1.6; performed extensive testing to find and fix broken code.
- Wrote unit tests.
- Used Google API to integrate Youtube videos into blog system.
- Created custom reusable CSV/Excel data import/export modules.

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### **EMPLOYMENT**

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#### **Web Developer, Layer 8 Group, Rochester, New York**

2012 – 2013

Responsible for development and maintenance of multiple client websites. Support ITMS team with Linux expertise. Support other developers with technical assistance and guidance, acting as de facto technical lead.

- Used Python to quickly rewrite data import code on short notice in response to format change.
- Undertook substantial refactoring and security effort on legacy code.
- Set up project management system to centralize development documentation.

#### **Computer Technician, Simple Tech Innovations, Greece, New York**

2011

Computer repair, data migration, and virus cleaning. Miscellaneous programming tasks.

#### **Computer Technician, TEKsystems, Pittsford, New York**

2010 - 2011

Tablet PC migration project for Paychex. Imaged, set up, and quality-checked new tablet PCs; transferred users' data from old PCs.

#### **Software Developer, PM&L Inc, Rochester, New York**

2008 - 2009

Rewrote tournament management system originally written in ASP classic, using C# and ASP.NET, working as part of a four-person team. Implemented new features and corrected defects in both new and old systems. Consulted with customers about software design and maintenance. System is live at <http://advancedeventsystems.com/>. Diagnosed and fixed malfunctioning SVN server.

#### **Software Engineer, Paetec Communications, Fairport, New York**

2006

Developed version 6 of the PINNACLE Communications Management Suite using Oracle PL-SQL and related technologies, together with large development team. Implemented features and corrected defects.

#### **Programmer, Homedata (Rochester) Inc, Rochester, New York**

2005 - 2006

Rewrote Foreign Trade Zone management software in PHP, as part of a team. Wrote code for automated generation of pre-filled PDF forms. Provided client support for old version of software and corresponding Oracle databases.

#### **IT Support, Education Loan Servicing Corp, Cleveland, Ohio**

2004

Set up and maintained network and computers, as part of a team, for call center staffed by approximately 30 people. Assisted users with computer problems. Diagnosed network connectivity issues.

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### **EMPLOYMENT**

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**Programmer, RIT Computer Engineering Department, Rochester, New York**

*2004*

Created a 3D semantic model for computer vision (object recognition) algorithms using OpenGL.

**Computer Technician, Computer Equipment Outlet, North Ridgeville, Ohio**

*2002*

Redesigned company website, networked office computers and connected to DSL line through Linux firewall/NAT server.