

Certifications

Security Clearance US Citizen with [security clearance](#)
PMI ACP: [Agile Certified Practitioner](#) since September 2012

Experience

- **General Dynamics Advanced Information Systems** **Fairfax, VA**
Web Developer & Scrum Master *June 2011 – Present*
 - [Scrum master](#) and developer for seven person [Agile development](#) team.
 - Held weekly face-to-face meetings with customer and product owner. Delivered production-ready software every two weeks.
 - Built indicator database using [Ruby on Rails](#) / [jQuery](#) / [CSS](#) / [PostgreSQL](#) to coordinate cyber information sharing and manage cyber risks for US-CERT and the Department of Homeland Security
 - Developed on [Linux](#), source managed using [Git SCM](#), code reviews with [GitLab](#), continuous integration using [Jenkins](#), [Test Driven Development \(TDD\)](#) using [Cucumber](#) / [RSpec](#), deployed using [Capistrano](#), and documented using [L^AT_EX](#)
 - Prototyped storage application for network intrusion prevention and detection system using [PHP](#) [CodeIgniter](#).
- **EMC (NetWitness)** **Reston, VA**
Software Engineer *October 2010 – June 2011*
 - Produced enterprise software that produced real-time network forensic engineering.
 - Developed applications using [Java](#) / [Spring](#) / [Hibernate](#) to monitor and analyze network threats.
 - Maintained client management software used to monitor sensitive information on workplace systems, written in [C[#]](#)
 - Utilized [Amazon EC2](#) cloud services to perform [service oriented architecture](#) tasks for NetWitness Spectrum. Spectrum was the winner of the 2011 American Business Awards New Product or Service of the Year Stevie Award.
- **Network Designs** **Washington, DC**
Web Developer *September 2008 – October 2010*
 - Maintained two large scale [C[#] ASP.NET](#) web applications with [SQL Server 2008](#) back ends for the FAA.
 - Programmed data managers for [Microsoft SharePoint](#) systems.
- **London Computer Systems** **Cincinnati, OH**
Application Developer *May 2007 – August 2008*
 - Developed accounting software for property management companies using [C[#] ASP.NET](#) and [Visual Basic 6](#)
 - Created and designed web applications from the ground up to interact with existing customer databases
- **General Electric** **Cincinnati, OH**
Information Management Leadership Program *May – August 2004, 2005, 2006*
 - Allowed auditors to perform on site field audits using tablet PCs by creating an app in [VBA](#) / [Excel](#) to replace paper and pencil audits.
 - Deployed and bootstrapped [Unix](#)-based systems using [Perl](#). Certified a new hardware technology stack to run internal applications.

- Reduced deployment costs by initializing servers to run specialized applications on commodity hardware.
- Laid out a workflow to identify non-value-added steps. Reduced the number of steps required in GE's software change process. Shortened the turn around time for software fixes.

- **BitWise Communications LLC**

Founding Partner

Cincinnati, OH

May 2003 – August 2006

- Co-founded a software development company while attending university.
- Performed company management operations including creating the marketing website.
- Developed a cross platform ([Windows, Mac and Linux](#)) software client in [C++](#) and the [wxWidgets](#) library.
- Client allows for encrypted chat, file transfers, and voice chat.

Education

- **Miami University**

Computer Science, Master of Computer Science

Oxford, OH

2005 – 2007

- Graduated 2007 Cumulative GPA 3.5
- Research Area: Interdisciplinary tool between Mechanical Engineering and Systems Analysis to study discontinuous systems

- **Miami University**

Systems Analysis, Bachelor of Applied Science

Oxford, OH

2001 – 2005

- Double major: Systems Analysis and Computer Science
- Taught supplemental courses to provide help for students taking Java courses
- Graduated 2005 *Cum Laude* 3.5 GPA

Projects / Certifications

A list of my personal projects can be found at github.com/daveroberts

Happy Puppy: In my spare time, I created an [MVC PHP](#) web framework called HappyPuppy