

## 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. ««««< HEAD
  - 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<sup>A</sup>T<sub>E</sub>X](#)
  - 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<sup>#</sup>](#)
  - 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<sup>#</sup> 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<sup>#</sup> 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.

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## 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

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## Projects / Certifications

A list of my personal projects can be found at [github.com/daveroberts](https://github.com/daveroberts)

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