

# Peter Gebhard

Software Engineer

## ADDRESS

4515 Q Place NW  
Washington, DC 20007

## PHONE

919-641-3500

## EMAIL

[pgebhard@gmail.com](mailto:pgebhard@gmail.com)

## PORTFOLIO

<http://github.com/pgebhard>

## Skills Summary

- *Proficient with:* Java, C#, C, XML, Mac OS X, Windows, GNU/Linux, Eclipse, Visual Studio, Subversion, Ant, Adobe Photoshop, Microsoft Office
- *Some experience with:* Objective-C, Xcode, Ruby (Ruby on Rails), Git, Maven

## Work Experience

### **Lockheed Martin Information Systems & Global Services, Rockville, MD**

#### **SOFTWARE ENGINEER; MARCH 2009-PRESENT**

- Designed software models for an incremental upgrade of the FBI's Next Generation Identification (NGI) biometric database
- Designed and developed a Java-based web application that integrates various commercial cyber-security tools under a Flex UI and suite of web services as part of a cyber-security research and development project
- Developed a Java-based mission planning and radio simulation application
- Developed and deployed core Java components for a data interface manager on a three-person Scrum team

### **Lockheed Martin Missiles and Fire Control, Orlando, FL**

#### **SOFTWARE ENGINEER; OCTOBER 2008-MARCH 2009**

- Developed embedded software in C on VxWorks for the Apache helicopter's Arrowhead sensor suite
- Updated and released Software Architecture and Software Requirements documents
- Presented Software technical details at an Interim Design Review

#### **SOFTWARE ENGINEER ASSOCIATE; JULY 2007-OCTOBER 2008**

- Developed new C# classes and unit tests for an image processing component of a weapon support tool
- Assisted in unit testing and debugging of the component on a seven-person team

#### **SOFTWARE ENGINEER INTERN; SUMMER 2006**

- Investigated a memory problem that existed in a software team's applications and wrote sample programs to help understand and fix the issue
- Developed two C# matrix utility classes for the software team to use in their applications

#### **SYSTEMS ENGINEER INTERN; SUMMER 2005**

- Worked with a two-person integration team on a next-generation weapon data link
- Designed the test system RF cabling and distribution network

### **Duke University Computer Science Dept., Durham, NC**

#### **PROGRAMMER; SUMMER 2004**

- Selected as part of CURIOUS, a computer science undergraduate research summer program
- Developed an educational tool plug-in for the Eclipse IDE in a small professor-led team setting

## Education

### **University of Illinois at Urbana-Champaign, Urbana, IL**

Master of Computer Science (MCS), May 2010

### **Duke University, Durham, NC**

Bachelor of Science in Engineering (BSE), May 2007

Majors: Electrical and Computer Engineering, Computer Science

## Leadership

### **Lockheed Martin Engineering Leadership Development Program**

#### **MEMBER; JULY 2007-JUNE 2010**

- Completed a Master's degree over the course of the three-year program
- Rotated yearly within the organization to experience different projects and work environments
- Attended further technical and leadership development training
- Participated in frequent volunteer activities at local schools

### **The Chronicle, Durham, NC**

*Duke University's Independent Daily Student Newspaper*

#### **PHOTOGRAPHY EDITOR; MAY 2004-MAY 2005**

- Managed a staff of over 25 student photographers and coordinated assignments with each department editor