

Robert Schriver

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Objective: To obtain a full time position performing Operating Systems research or Imaging Science

Education: **Computer Science Major** / Imaging Science Minor Rochester Institute of Technology
2008 – Expected Graduation Spring 2012 **GPA: 3.5**

Relevant Coursework: Systems Programming I/II, Digital Image Processing I/II

Languages **Experienced With:** C, Java, Matlab, Python, Android, x86
and Tools: **Familiar With:** git, C#, C++, PHP

Experience: **Malware Development Intern** Booz Allen Hamilton
June 2011 – August 2011 Linthicum, MD

- Developed a comprehensive malware application for the Android platform
 - Used Java and C to circumvent Android security measures
 - Became familiar with the reverse engineering of both x86 and Android malware through IDA and smali
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Software Development Intern Gabae Development
June 2010 – November 2010 Waterloo, ON

- Worked with a team to move an acquired PHP web application for tracking drink sales at restaurants to local servers
 - Added functionality to application to remove the previous reliance on human intervention to perform application functions
 - Interfaced over serial with an embedded device to batch test switch sensors
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Intern Programmer Automotive Resources International
June 2009 – June 2010 Mount Laurel, NJ

- Programmed multiple small to medium sized projects using C#, including a time reporting and server monitoring application
 - Worked with C# and PL/SQL developer to create and access tables in an Oracle database
 - Worked with TWAIn to demonstrate a potential image viewing software for the company's scanning department
 - Programmed and used existing web services and Smart Client applications with each project
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Projects **USB Mass Storage Driver**

- Developed a working EHCI driver in C and x86 that detected and responded to USB device events like plugging and unplugging
- Created a structure for receiving data from a USB Mass Storage Device

GEN OLM

- Created a genetic algorithm to generate one line programs that generate simple music
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Content Aware Fill

- Implemented the Patch Match algorithm described by Connelly Barnes to solve the problem of image completion
- Similar algorithm to Photoshop's Content Aware Fill