

# **Giovanni R. Carvelli**

## **4<sup>th</sup> Year Software Engineering Major**

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### **Education**

Rochester Institute of Technology, Rochester, NY  
Major: BS Software Engineering (2017 Expected Graduation)  
Minors: Computer Science and Math  
Cumulative GPA: 3.63/4.0

### **Technical Skills**

Languages: PHP, C#/.NET, Java, C, Python/Django, Javascript, Ruby/Rails, (Android, Unity, Bash/CSH)  
Applications: phpStorm, Visual Studio 2013, Eclipse, Sublime Text, VMWare/Virtualbox/VMM  
Source Control: Git (with Github workflow), SVN  
Operating Systems: Windows, Ubuntu/Debian, OSX

### **Projects**

- Created a Fuzzing tool to attack websites and expose vulnerabilities using Python's Requests package. (Secure Software).
- Implemented various Computer Engineering concepts including RLE, GPU manipulation, serial communication, FAT Filesystem interpretation and a parser capable of floating point arithmetic on the Raspberry Pi in C. (EFoCS)
- Designed and wrote a Reddit clone in Ruby on Rails. (independent)
- Created a basic text-based game engine with Python and XML configurations. (Independent)
- Development Coordinator for a web app for tool sharing between members of communities with Django. Project was with a team of four and included documentation of each step of the software creation process. (Intro to SE)
- Designed and implemented a small medical study viewing application in Java, emphasizing the use of design patterns and principles. (Models of SW Subsystems)

### **Work Experience**

PHP Cloud Developer, Datto Inc.  
Norwalk, CT  
Summer-Fall 2015

Full time co-op working on Datto's Cloud Products team. Worked on pages for web portals, API endpoints, device-side routines, virtualization processes for the storage nodes themselves, and communication between them. Spent plenty of time troubleshooting problems in LAMP environments. Working knowledge for the Cloud Products team involved the device, portal, and cloud codebases.

C#/.NET Developer, Rochester Software Associates  
Rochester, NY  
Summer-Fall 2014

Full-time co-op based in the development and maintenance of a suite of Visual C#/.NET products focusing in printer ticket transformation. Major projects included the integration of .NET programs with a Java-based RSA product on UNIX and a Windows Forms PDF editor/production print program. Skills include interfacing different technologies, knowledge of network protocols and working within a framework used by several products. Also participated in the interview process for new co-ops.

### **RIT Tech Crew**

Rochester, NY  
2012-2015 during school years

Professional audio design and setup for events across campus. Weekly training and job experience is required to be promoted. Jobs involve the setup and operation of sound equipment and interaction with job contacts.