

Giovanni R. Carvelli

4th Year Software Engineering Major

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Education

Rochester Institute of Technology, Rochester, NY

Major: B.S. 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, Virtualbox/VMWare/VMM

Source Control: Git (with Github Enterprise), SVN

Operating Systems: Windows, Ubuntu/Debian, OS X

Work Experience

PHP Cloud Developer, Datto Inc.

Norwalk, CT

Summer-Fall 2015

- Worked on Cloud Products Scrum Team
- Created and maintained code running on devices, web portals, and storage nodes, and dealt with communication between all three
- Troubleshooted software running on LAMP environments

C#/.NET Developer, Rochester Software Associates

Rochester, NY

Summer-Fall 2014

- Developed and maintained a suite of C#/.NET desktop applications
- Worked on integration of Java server product with .NET based daemon on CentOS
- Was the sole developer on a **Winforms PDF editor/production print program**

Student Lab Instructor, RIT

Rochester, NY

Spring 2015

- Assisted professor in lab sections of CS2, graded lab assignments
- Held office hours in CS tutoring center
- Topics included OOP, data structures, and basic multithreading

Projects

Fuzzer

Created a Fuzzing tool to attack websites and expose vulnerabilities using Python's Requests package. (Secure Software).

House Explorer

Created a basic text-based game engine with Python and XML configurations. (Independent)

Geddit

Designed and wrote a Reddit clone in Ruby on Rails. (independent)

Raspberry Pi

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)

Activities

On Campus Jobs: **RIT Tech Crew**

Hackathons: HackRPI 2014 (2 awards), BrickHack 2015

Competitions: Microsoft Code Competition 2014 (placed 4th/30), Microsoft Puzzle Competition 2015