CARTHIK SHARMA

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407.421.3062

EXPERIENCE

Puppet Labs (Portland, OR)

Technical Instructor, 2012 - Present

- ► Delivered classroom and online instructor-led training.
- ► Developed a quest-based learning virtual machine for self-paced learning.
- ► Managed training delivery platforms including customized virtual machines and cloud-based hosting environments.
- ► Developed courseware for synchronous classroom training and e-learning.

University of Central Florida (Orlando, FL)

Systems Programmer, Planetary Sciences Group, 2008 - 2012

- ► Architected and managed scientific computing infrastucture and software stack for 20-member research group.
- ► Administered IT infrastructure for the Physics department.

Research Assistant, Computer Architecture Laboratory, 2005 - 2008

- ► Involved in all phases of a NASA-sponsored project on the reliability of reconfigurable logic devices.
- ► Prototyped self-diagnosing organic fault-tolerance system for FPGAs.
- ► Modeled group testing and machine learning algorithms in C and Python.

Teaching Associate, Department of Computer Engineering, 2002 - 2007

- ► Courses taught: Introduction to Computer Engineering, Computer Systems Design I, Electrical Networks & Systems
- ► Assisted other faculty as a teaching assistant for over 5 different courses.

Open Source Projects

WordPress, 2002 - 2007

- ► Developed data migration features, addressed issues in core.
- ► Authored user and developer documentation, and actively supported users.

Ubuntu Linux, 2002 - Present

- ► Recognized as an official community member for contributions.
- ► Triaged and resolved bugs, supported new users, and evangelized the product.
- ► Served as the technical reviewer for two published books.

AWARDS & CERTIFICATIONS

Puppet Certified Professional
Graduate research fellowship, Graduate achievers award, Graduate fellowship - University of Central Florida

SKILLS

Puppet, Python, Ruby, PHP, C, VHDL, BASH, Linux, Git, VMWare tools, and Vagrant.
Familiar with MS Windows Server, MySQL, LDAP, Verilog, Jenkins and automated testing frameworks.

EDUCATION

University of Central Florida (Orlando, FL)

- ► Ph.D. in Computer Engineering, August 2008
- ► M.S. in Computer Engineering, May 2004

National Institute of Technology (formerly R.E.C.) (Warangal, India)

- ► B.Tech. Electrical and Electronics Engineering, May 2001