Job Seeker Houston, TX Seeking full time opportunities in the field of Software Engineering. Work Experience Replica Selection January 2015 to Present Implementing a system that can select the best replica for a given data to maximize the download performance.   Two approaches are being used for the selection: Selection by Client and Selection by the Network. Web developer, Instructional Assistant University of Houston - Houston, TX August 2014 to Present Maintain websites using Cascade Server for College of Liberal Arts and Social Sciences.   Develop websites using HTML, CSS and JavaScript to create repositories for additional course content that increased student-professor participation by 40%. University of Houston - Houston, TX September 2014 to December 2014 Tic-Tac-Toe February 2014 to March 2014 Designed and implemented 3x3 tic-tac-toe game using C#, WPF and ASP.NET.   This course project helped me in getting familiar with C# .Net and WPF. It also helped me in putting the design principles into use. Python based SDN controller Tic-Tac-Toe February 2014 to March 2014 enabled router. Feb 2014 - March 2014 Implemented a static Layer 3 switch that can match on masked IP prefix ranges, just like a real router.   Python based SDN controller(POX) is used for implementation and simulation was performed using mininet. Software Intern Bharat Sanchar Nigam Ltd - Hyderabad, Andhra Pradesh May 2012 to July 2012 Designed and implemented a modification to Distance Vector routing protocol (DSDV) to shorten the route for subsequent packets to the same destination.   The overall performance of the protocol was improved by 30%. PROJECTS Rice University, Houston, TX Education Bachelor of Technology in Electronics and Communications GITAM University - Hyderabad, Andhra Pradesh July 2009 to May 2013 Master of Science in Computer Engineering University of Houston - Houston, TX Additional Information SKILLS Operating Systems: Linux, Windows, OSX. Programming & Scripting: Verilog-RTL, C, OOP in C++, C#, ASP.NET, WPF, Python, Socket Programming. Software Design: Agile Development, Scrum, Object Oriented Programming concepts and Design Principles. Web Development: HTML, CSS and JavaScript. Software Defined Networking: OpenFlow, Floodlight Controller, POX controller, mininet, Open vSwitch. Computer Networks: TCP/IP Stack, Layer 3 and Layer 2 protocols, NAT, DNS, DHCP, SSL, HTTP. Simulation & Virtualization tools: ModelSim-Altera, ns-3, Wireshark, VMware Fusion,

Oracle VirtualBox.

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