

UPDATE : Pramod Varshney named Director of CASE at Syracuse University

Friday, January 16, 2009

[Pramod Varshney](#), Distinguished Professor of Electrical Engineering and Computer Science in Syracuse University's [L.C. Smith College of Engineering and Computer Science](#), has been named director of the [Center for Advanced Systems and Engineering \(CASE\)](#) at Syracuse University, a Center for Advanced Technology supported by the New York State Foundation for Science, Technology, and Innovation (NYSTAR). His appointment was effective on Jan. 1.



CASE Mission is to catalyze growth in the high-technology economy of New York State by fusing technical competency with industry-specific knowledge to advance applications of predictive analysis, monitoring and/or control of complex behavioral, information and communication systems.

<http://case.syr.edu>

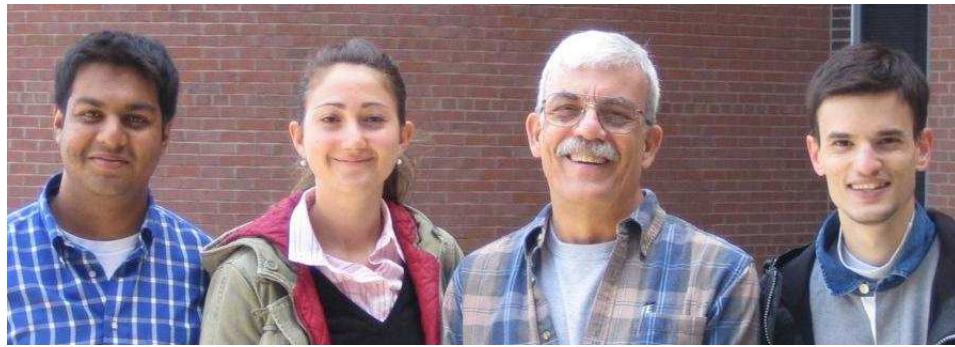


Career Events

www.careerservices.syr.edu

- ✓ Explore & Experience – Deadline March 20
- ✓ Big East Career Fair – March 13
- ✓ CNY Communications Consortium – Deadline March 13
- ✓ Virtual Career Fair for International Students

Prof. Jim Fawcett, February 26, 2009



CASE Work Study Projects

Are you an owner or employee of a Syracuse-based company that needs to augment your existing technical staff? Perhaps you don't want to hire permanent employees now, but still need more hands to get your products to market or you need an infusion of new ideas.

Consider the Center for Advanced Systems and Engineering. One of the interesting things that CASE supports is the creation of work/study projects with local businesses. These projects are staffed by Syracuse University Students and guided by faculty advisors. They provide support for software development, digital design, and many other engineering and Information Technology activities.

Dave DiMaggio, Manager of the CASE Industry Coop Program, can set up orientation meetings, help identify students, set up payment options, and follow up with planned events and milestones. He has created a simple process for local companies to arrange for student support for both domestic students and those holding student visas.

I've had the pleasure of advising quite a few CASE work/study projects. We expect projects to be a win-win proposition for companies, students, and faculty advisors. Companies get access to creative hardworking undergraduate and graduate students in Engineering, Computer Science, and Information Technology. Students gain work experience and the opportunity to apply, in the field, things they've been learning about in the classroom and laboratory

Faculty advisors gain new colleagues and friends in the community with common interests and also get visibility into the workings of local companies. This often has payoff in the classroom as well, affording the instructor additional examples of class technologies applied to practical problems.

So, what kinds of projects work well in this work/study setting? Relatively small project efforts that can be packaged into one semester or one academic year intervals work best. Many of our graduate students undertake 2 year Master of Science programs, and don't usually start work/study activities until they have been at Syracuse University for six months or possibly a year. It's in the best interests of both companies and students to structure projects to complete in a few months. Projects should have some tangible milestones, and periodic reviews. Faculty advisors meet periodically with students working on these projects, and often help them with technically challenging problems associated with their work. Companies are responsible for managing the students, but often seek advisor's help and advice when planning and reviewing student work.

If this sounds interesting to you, contact Dave DiMaggio, ddimaggi@syr.edu, to set up a meeting to explore whether CASE work/study projects make sense for your company.

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- Bandan Das

Infinitt Technology Solutions – Kevin Shaffner
- Yogesh Nahar

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A few of the prestigious companies that CASE Co-op program has partnered with...



Critical technologies inc.

1001 Broad Street,
Suite 400
Utica, NY 13501
P (315) 793-0248
F (315) 793-9710
www.critical.com



From Employer : Critical Technologies Inc.

Incorporated in 1991, Critical Technologies Inc (CTI) harnesses the entrepreneurial spirit of talented engineering professionals. The company performs research and development in the convergence of these areas, developing solutions to overcome deficiencies in each with a focus on improving Quality of Service (QoS) through Delay / Disruption Tolerant Networking (DTN).

Technologies include sensor signal processing, wireless (mobile and ad hoc) networking, and fault tolerant storage. Clients include both US Military and commercial customers.

* In the fall of 2007, CTI opened an office in the CASE Center to expand the company's relationship with Syracuse University.

From: Bandan Das

I graduated from Computer Engineering at L.C Smith College of Engineering and my first stint with CASE was as a Workshop Developer for Syracuse Research Corporation. In spring of 2008, I was assigned to work as a CASE software intern for Critical Technologies Inc.

My work at CTI involved enhancing and adding new networking capabilities to the Linux kernel.

This work allowed me to put my technical skills and academic interests to practice. I was encouraged to participate and come up with design ideas, understand the architecture of the test beds that we used and most importantly, understand the applications of things that I was working on.

One of my important accomplishments at CTI was the porting of a Concurrent Multi-path Routing (CMR) patch to the 2.6 Linux kernels. This was a perfect add-on to the knowledge that I acquired from my graduate studies.

From Employer:

Kevin P. Schaffner
Director of Business Development
Infinet Technology Solutions
www.infinet-tech.com



Infinet Technologies, headquartered in Syracuse, is a provider of new and refurbished Voice and Data hardware. We focus on the Internet for most of the lead generation for our 18 salespeople. There are three main factors that we concentrate on when it comes to Internet marketing: Drive Traffic, Convert Traffic and Measurement of Results.

Over the past summer, I went to CASE Industry Co-op Program to potentially have one of their students from the Information Technology program utilize their skills for an internship. It did not take very long to come up with a list of candidates that would be more than qualified for what I wanted to accomplish. I ended up choosing Lalith Yogesh Nahar, a graduate student (MS-Information Management) from the School of Information Studies.

The job description consisted of technical writings of Blogs that would drive and increase traffic to the Infinet web site. In addition, the person fulfilling these duties would offer creative ideas as to web site design and implementation with the latest technology of web design tools.

I set up weekly meetings to review Yogesh's progress and used that time to plan the following week's objectives.

The goal for the internship was to increase the overall visitors to the Infinet web site on a daily basis. Prior to the program, we were averaging 250 unique visitors to our site every day. After the internship, our traffic has grown to as high as 350 unique visitors per day. There are many factors that are attributed to the growth, and the work that Yogesh did in the 12 week program was a major contributor to that growth.

In a very short period of time we have generated over \$1 million in revenue and added over 100 new, satisfied customers. We consistently search for innovative ways to increase our Web presence and drive traffic to our web site. The next wave of Search Engine Optimization will be closely related to all of the Social Media outlets that have been created, like Facebook, Myspace, LinkedIn, Digg, RSS feeds and the like. We will certainly look to the CASE center again to tap into the knowledge base of the talented students from the School of Information Studies at Syracuse University.

Comments from Yogesh Nahar about his Internship:



When I first met Business Development Manager Kevin Schaffner during the interview process at the Infinet thoughts and the intent was to improve the online presence of the Infinet website and its products.

The internship lasted for three months and was as fun and productive as any could be. I was doing three internships at the same time, and I would vote this one as my favorite because I had the freedom to use various internet technologies and strategies in promoting Infinet products. Kevin Schaffner and I met every week to discuss new ideas and strategies that would empower the company to move forward into new projects.

Working for hours from home (remotely) and being able to get the work done with proven results gave me a lot of satisfaction; Kevin trusted me with this opportunity, and I didn't let him down (at least I'd like to think so).

Using various web 2.0 tools (especially my favorite: blogging) and learning about new products has helped me gain a great amount of knowledge within the telecommunications and networking field. All in all on a scale of 10, I would rate this internship opportunity at a high of 10/10. If given a chance to work with Infinet Technology Solutions and Kevin Schaffner again, I would absolutely do it again! It was an excellent experience, and I believe we all gained from it.

ATTENTION EMPLOYERS!

Students available now through summer 2009. Please contact David DiMaggio for further information at ddimaggi@syr.edu or 315-443-5018 CASE Co-Op.