

Avinash Arora

5 Overbrook Road, Somerset, NJ 08873 | Phone: (732) 233-7949 | E-mail: avi@avinasharora.com | Personal website: avinasharora.com

Technology professional with experience managing enterprise and business implementations of information systems as well as a deep love for all things technology related. Expert in analyzing, defining, and creating global metrics, data models, process maps, engineering processes, workflows and technology solutions for servers, front end development, design, and networks.

WORK HISTORY

- 7/2010—Current** **Miercom, (Network Systems Engineer)**
- Developing the brand new company website (miercom.com) as well as updating it, and performing regular maintenance
 - Designed and built a parallel spam filtering test bed consisting of dozens of servers, fully integrated interoperability, autonomous testing, reporting, and result generation.
 - Regularly installed new servers and improved production network, including recently customizing Cisco APs to perform special tasks.
 - Personally performed security tests with a 100% penetration or compromise rate, highest in the firm.
 - Executed security, performance, power efficiency, end user quality, and high availability testing for network components and systems at both hardware and software levels
 - Performed management of information systems
 - Worked on product design and testing as well as configuration and installation for vendors such as Avaya, Cisco, HP, IBM, Juniper, McAfee, Microsoft, NEC, Siemens, SonicWALL, amongst many others
- 5/2008—8/2008** **Hatch Mott MacDonald, (Internship)**
- Worked on classified federal government projects
 - Analyzed and delivered cost estimates and specifications structures
 - Responsible for creating blueprints in CADD for cutting edge fueling and electrical systems
- 5/2006—8/2007** **Stanton Chow P.C. (Division of Hatch Mott MacDonald), (Internship)**
- Worked on classified state government projects
 - Created blueprints in CADD for fueling, mechanical, electrical, and sewage systems
 - Redesigned CADD archival and filing procedure

EDUCATION

- 2011** B.S. in Industrial & Systems Engineering
Rutgers University

PROFESSIONAL CURRICULUM

- Designed and programmed from ground up a fully autonomous golf caddy that drove itself from hole to hole using GPS, accelerometers, compasses, specially optimized maps, and cell phone coordination for Senior Design at Rutgers University
- Established a new fraternity, Delta Sigma Phi, at Rutgers University, and was the founding president
- Built from scratch a spam filtering test bed structure consisting of several firewalls, five parallel spam filters and over two hundred operational software servers, the first system of its kind ever designed in the world

RELATED SKILLS

- Well versed in programming, markup, and other web languages, including but not limited to: HTML, XML, PHP, C, C++, Visual Basic, MATLAB, CSS, JavaScript, SQL, bash, UNIX, Arduino, and others
- Expert in Microsoft Word, Powerpoint, and Excel; Adobe Photoshop, Dreamweaver, as well as numerous development environments.
- Proficient in Microsoft Access, Publisher, and Visio; Adobe Photoshop, Dreamweaver, as well as numerous development environments.
- Experience with isometric drawings, mechanical, electrical, fueling, and architectural blueprints, as well as solid modeling

OTHER ACHIEVEMENTS

- Created the *Star Wars* [last supper mosaic](#) comprised of 70,000 images, assembled using a self-written algorithm, and was featured and interviewed for it on gizmodo.com
- Personally organized and led a 3,300 mile road trip from NJ to New Orleans, Houston, and back on motorcycle