

## **Alcatel - Lucent**

MAJORS: Computer Engineering, Computer Science, Electrical Engineering

TITLE: Alcatel-Lucent: 12000000R2 Test Automation Engineer - Wireless Intern

**JOB DESCRIPTION:** With operations in 130 countries, Alcatel-Lucent is the first truly global communications solutions provider, offering the most complete end-to-end portfolio of solutions and services in the industry. Our passionate and experienced team converts challenges into opportunities in the areas of third-generation mobile networking, metro optical and packet, circuit-to-packet, broadband access, advanced network and professional services, and next-generation operations support systems.

### *The Team:*

- The System Test (ST) Post-DR5 Validation team is responsible for reproducing and verifying customer field problems, as well as validating any emergency patches and corrective loads necessary.

### *The Position:*

- The summer intern will work with our test automation team to design and code scripts for automatic end-to-end test execution.

### *Essential Skills:*

- Student must have taken at least one year of courses and possess some proficiency in computer programming (Java, C++, etc.)
- Knowledge of LAN, Linux, Unix, Web Server, SQL ) as an application development environment
- Comfortable with designing and writing software programs (scripts).

### *Desired Skills:*

- Familiarity with MySql, Apache web server, and IP protocols (tcp/ip, udp, http, etc...) desired.

### *Required Qualifications:*

- Must be actively pursuing a bachelor's degree in Computer Science from an accredited educational institution.
- Must have at least a 3.0 GPA

- Able to work from the Naperville, IL office

*Apply today at the Alcatel-Lucent Career Website!*

1. Go to [www.alcatel-lucent.com/careers](http://www.alcatel-lucent.com/careers)
2. In the green box choose United States
3. Click on the opportunities link for ""Students and recent graduates""
4. Search for job number 12000000R2
5. Once you have applied check out our other positions
6. Email [college.recruiting@alcatel-lucent.com](mailto:college.recruiting@alcatel-lucent.com) with any questions or concerns

Alcatel-Lucent is an equal opportunity employer committed to diversity in the workplace.

TITLE: Alcatel-Lucent: 11000009FT Technical Web Manager - Wireless Intern

JOB DESCRIPTION: With operations in 130 countries, Alcatel-Lucent is the first truly global communications solutions provider, offering the most complete end-to-end portfolio of solutions and services in the industry. Our passionate and experienced team converts challenges into opportunities in the areas of third-generation mobile networking, metro optical and packet, circuit-to-packet, broadband access, advanced network and professional services, and next-generation operations support systems.

*The Team:*

The Systems Engineering organization analyzes customer needs and specifies requirements for new 4G Wireless Network products. The student will be working on a small team within this organization that has the specific role of creating web-based applications that automate and manage this specification and analysis. This will provide the student with a direct and unique insight into the working of both large and small scale development, while at the same time demonstrating how modern web applications are increasingly being deployed in a business environment.

*The Position:*

The student will design, implement, and deploy Web Apps that enhance Engineering and Development systems within the Alcatel-Lucent Wireless Division. The student will work with System Engineers and Architects to understand their needs, and will develop the applications and enhancements under the guidance of the chief designer. Implementation is PHP/MySQL-based and will use CSS, JQuery, Javascript, and HTML. Specifically, the functionality will access an Alcatel-Lucent database that contains proposed changes to Wireless Standards, then present different views of the data depending on what the user needs to analyze. These views will provide reporting, analysis, and summary functions. The engineering data is part of a larger, comprehensive web-based suite that provides a multitude of engineering and project tracking applications. The student will have an opportunity to understand how their work fits into the larger system, which plays a key role in driving development.

*Essential Skills:*

- Basic knowledge of Programming Languages (PHP, MySQL, HTML, CSS (or equivalent, e.g., .NET can be considered) )
- Relational Databases
- Web-Based Design such asjQuery, Javascript

*Desired Skills:*

- Understanding in:
  - o Server/ Client-Side Dynamic Content,
  - o Computer Engineering,
  - o Communication Systems
  - o Experience constructing dynamic web-apps

*Required Qualifications:*

- Must be actively pursuing a bachelors degree in electrical engineering, computer science, or related field from an accredited educational institution.
- Must have at least a 3.0 GPA
- Able to work from the Murray Hill, NJ office

*Apply today at the Alcatel-Lucent Career Website!*

1. Go to [www.alcatel-lucent.com/careers](http://www.alcatel-lucent.com/careers)
2. In the green box choose United States
3. Click on the opportunities link for ""Students and recent graduates""
4. Search for job number 12000000R2
5. Once you have applied check out our other positions
6. Email [college.recruiting@alcatel-lucent.com](mailto:college.recruiting@alcatel-lucent.com) with any questions or concerns

Alcatel-Lucent is an equal opportunity employer committed to diversity in the workplace.

TITLE: Alcatel-Lucent: 12000000NU LTE - Software Tool Development - Wireless Intern

**JOB DESCRIPTION:** With operations in 130 countries, Alcatel-Lucent is the first truly global communications solutions provider, offering the most complete end-to-end portfolio of solutions and services in the industry. Our passionate and experienced team converts challenges into opportunities in the areas of third-generation mobile networking, metro optical and packet, circuit-to-packet, broadband access, advanced network and professional services, and next-generation operations support systems.

*The Team:*

This intern position will support the CDMA new product deliveries with the First Office Applications (FOA) Group. The work this team does helps to ensure successful deployments of Alcatel-Lucent's new products to our North American customers.

*The Position:*

The summer intern will join the First Office Applications (FOA) team to support the automation of post retrofit monitoring. The team currently has a documented procedure that is followed after each Generic Retrofit and Software Upgrade. The goal of this summer assignment is to work with the FOA team members to review the documented procedure and automate where ever possible. The intern will have the opportunity to join in on customer discussions, support an actual live system upgrade and run his/her automation in a lab and live customer environment.

*Essential Skills:*

- Must be familiar with using UNIX (or LINUX) as an application development environment
- Comfortable with designing and writing software programs (tools/scripts) to parse, analyze, and summarize customer data logs
- Have experience / fluency with program or script writing

*Desired Skills:*

- Experience with UNIX (or LINUX) software development using PERL, TCL, or Expect.

*Required Qualifications:*

- Must be actively pursuing a bachelors degree in Electrical Engineering or Computer Science from an accredited educational institution.
- Must have at least a 3.0 GPA
- Able to work from the Naperville, IL office

*Apply today at the Alcatel-Lucent Career Website!*

1. Go to [www.alcatel-lucent.com/careers](http://www.alcatel-lucent.com/careers)
2. In the green box choose United States
3. Click on the opportunities link for ""Students and recent graduates""
4. Search for job number 12000000R2
5. Once you have applied check out our other positions
6. Email [college.recruiting@alcatel-lucent.com](mailto:college.recruiting@alcatel-lucent.com) with any questions or concerns

Alcatel-Lucent is an equal opportunity employer committed to diversity in the workplace.

TITLE: Alcatel-Lucent: 1100000779 Summer Internship - Bell Labs

JOB DESCRIPTION: Join the team that's transforming the way the world communicates.

With operations in 130 countries, Alcatel-Lucent is the first truly global communications solutions provider, offering the most complete end-to-end portfolio of solutions and services in the industry. Our passionate and experienced team converts challenges into opportunities in the areas of third-generation mobile networking, metro optical and packet, circuit-to-packet, broadband access, advanced network and professional services, and next-generation operations support systems.

Bell Labs' innovations enable Alcatel-Lucent to deliver leading products, solutions and services that meet our customers' mission-critical needs. We design products and services that are at the forefront of communications technology, and conduct fundamental research in fields important to communications. Currently, the Bell Labs team has opportunities for Summer Internships.

The Bell Labs Summer Internships provide hands on educational experiences for a diverse pool of talented and highly motivated college students. Each year, these opportunities expose many of the brightest college students to Alcatel-Lucent's corporate environment. The objective of the program is to provide employment with positive work/training experience, identify and track potential regular full-time employees and establish ""goodwill ambassadors"" for Alcatel-Lucent on campuses. Interns receive project-focused assignments and challenging objectives consistent with their career goals. Interns are assigned a mentor in addition to their supervisor/coach. The program will culminate in a final project presentation describing the results achieved during the assignment.

Work Authorization: Must be U.S. Citizen, Permanent Resident, Temporary Resident, Asylee, or Refugee. Will accept students on F-1 VISA dependent upon program requirements.

Education Requested: MBA, Business Modeling, New Ventures, Business Administration, Chemical Engineering, Chemistry, Computer Engineering, Computer Science, Economics, Electrical Engineering, Engineering Mechanics, Industrial Engineering, Management, Manufacturing Engineering, Mathematics, Mechanical Engineering, Operations Research, Physics, Statistics, Systems Engineering and Telecommunications. Overall GPA of 3.0/4.0 or above. Students must be enrolled to return as a full time student following the internship.

Principal US locations: North & Central New Jersey. Naperville, Illinois.

*Apply today at the Alcatel-Lucent Career Website!*

1. Go to [www.alcatel-lucent.com/careers](http://www.alcatel-lucent.com/careers)
2. In the green box choose United States
3. Click on the opportunities link for ""Students and recent graduates""
4. Search for job number 12000000R2

5. Once you have applied check out our other positions
6. Email [college.recruiting@alcatel-lucent.com](mailto:college.recruiting@alcatel-lucent.com) with any questions or concerns

Alcatel-Lucent is an equal opportunity employer committed to diversity in the workplace.