
Job Description: **Electrical Engineering Intern**

About Us

[ChargeItSpot](#) works to build an unrivaled ecosystem of enterprise solutions that solve real-world problems in mobile device security, charging, and management. [ARC™](#) by ChargeItSpot is a device management solution that stores, secures, tracks and charges company-owned handheld devices that employees use to do their jobs. With ARC, companies reduce device shrink, recover lost productivity, and eliminate wasted payroll consumed by managers and associates.

At ChargeItSpot, we surround ourselves with independent thinkers who are detail oriented and customer obsessed. Our clients have routinely called us “the most talented team they’ve ever worked with.” We value determination, resourcefulness, imagination, and follow through; we want people who are ready to get things done.

Check out our [core values](#) to learn more!

About the Role

ChargeItSpot seeks an Electrical Engineering Intern who will play an integral role in ensuring that our client devices are seamlessly compatible with our charging stations. This hands-on role involves testing, data collection, and research to ensure a smooth integration process.

The Candidate

You are curious, detail-oriented, and methodical in your approach to understanding and troubleshooting electronics. With a passion for data and the ability to navigate the complexities of USB C and legacy charging processes, you are ready to bridge the gap between client devices and our charging solutions.

You are a team player and collaborate very well. You believe the details are important, so you get them right. You are a fast learner. You take feedback well and implement it.

Responsibilities

- Perform a variety of tests on client devices to ensure compatibility with our charging stations.
- Research client devices to evaluate their potential compatibility with our stations.
- Engage directly with device manufacturers to gather pertinent information and ask detailed questions.
- Use oscilloscopes and multimeters to record measurements from our custom PCB charging hardware.

- Exhibit proficiency in soldering electronics for both repair and prototyping purposes.
- Breadboard and set up experiments to test and verify hardware solutions.
- Produce detailed documentation of test results and data collected.
- Create software automation scripts to enhance research and testing procedures.

Qualifications

- You are pursuing a bachelor's degree in electrical engineering, mechanical engineering, computer engineering, or a related field.
- Experience with lab equipment, including power supplies, multimeters, oscilloscopes, and soldering irons.
- Familiar with software languages like Python and Javascript (experience with libraries such as pandas and numpy is a plus)
- Familiar with micro controllers such as Raspberry Pi and Arduino
- You have strong communication skills (verbal and written)
- Ability to work effectively in a fast-paced environment
- Strong problem analysis and problem-solving skills
- You are a risk-taker and have an entrepreneurial spirit

Training & Learning Opportunities

The intern will receive comprehensive training from the Electrical Engineering Product Manager, offering insights into hardware troubleshooting, vendor communications, and a deep dive into USB C and legacy charging methodologies.

Location

Our office is located in The Bourse Building in Old City. Because this is a hands-on role, the intern is expected to work out of our office location.

Additional Information

- This is a paid summer internship for 20-30 hours/week
- Opportunity to work during school year
- Start and end date negotiable

Check us out at www.chargeitspot.com and learn more about ARC by ChargeItSpot at www.experiencearc.com

If you have the unique combination of skills and qualities we are looking for, please submit your resume and a cover letter expressing your motivation to apply to this position to **careers@chargeitspot.com**.

ChargeItSpot is an Equal Opportunity employer. Personnel are chosen on the basis of ability without regard to race, color, religion, sex, national origin, disability, marital status or sexual orientation, in accordance with federal and state law.