

# YOUR SUMMER EXPERIENCE



Internship Program Overview

Summer 2016

## Help us create the world that the world is demanding

Qualcomm is creating breakthroughs in mobile technology that will help the future arrive faster, but we need fresh minds and inventive thinkers who are up to the challenge. The world can't wait for the next great innovation, and we need people who aren't content to wait for someone else to do it.

Qualcomm's Internship Program is repeatedly recognized as one of the best in the country. Below are just a few reasons as to why.

- Enhance your technical abilities by working on next-generation wireless technology projects.
- Build your professional network through Executive Speaker events, New Grad Panel Discussions, and Demo Days.
- Gain exclusive access to internal Career Mobility Programs that expose you to future Qualcomm new grad and intern opportunities.
- Create the impossible. Does your idea have what it takes to become the next breakthrough? Compete in Qualcomm's Intern Innovation Challenge to find out.
- Make life-long friends by participating in social and networking happenings like sporting events, movies, luncheons, and outdoor activities – surfing, rafting, and more!
- We make relocating easy. Our comprehensive relocation package includes fully furnished luxury housing and we'll cover your travel expenses.

### Want to work at Qualcomm full time?

Interning with Qualcomm is the best way to get your foot in the door, as many interns receive full time offers based on a positive intern evaluation. We have programs during your internship to help expose you to a variety of teams so that you can find the role that best aligns with your interests.

### Mentorship

We want your internship to be as successful as possible, so we've created a support team where you can thrive. Your mentor will help you learn more about your team, solve problems by providing resources, and welcome you to the Qualcomm community.

Check out the fun:  
[Ultimate Internship Experience](#)  
Winner of the 2015 Intern Video Contest



Snapshots from last year's internship program

Learn more about our Intern programs by following us on Instagram

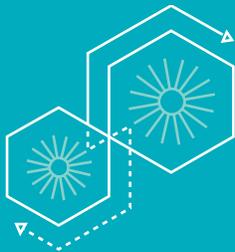


@QualcommCampusTeam

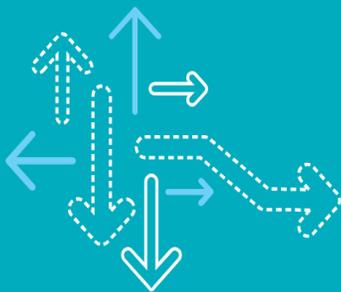


## Qualcomm Corporate Research & Development

The more we know about technology, the greater ability we have to enhance it. Qualcomm Research, a division of Qualcomm Technologies, Inc., has been making history for nearly three decades. The secret? Unrelenting focus on the future.



We're excited about the future. That's why we do everything we can to help it get here sooner. By developing and defining new technologies, Qualcomm Research is transforming the way we live tomorrow.



Past intern learning more about the various teams & technologies

## CRD Systems Internships

Qualcomm Research & Development has a mission to advance wireless and mobile communications to create compelling user experience with next generation mobile devices. We expect our systems engineers to keep up to date and understand technological advances in areas directly and indirectly related to mobile and wireless systems and devices and channel those trends toward enabling new applications.

To that end, the responsibilities include developing new system architectures and algorithms, protocols, services, standards, middleware or hardware enhancements. We seek students with demonstrable knowledge and hands-on experience in algorithms and modeling, embedded architectures, system design, protocols and more. We are looking for candidates with one or more of the following areas of expertise with a graduation date of December 2015 or later.

To apply, please visit the [Qualcomm Careers website](#), select systems internships, and apply to requisition T1937503 - [Systems Engineering Internships @ Qualcomm \(Summer 2016\)](#).



2015 Interns

“Qualcomm gave me an opportunity to learn, create, and develop new technology while networking with Senior Engineers on a daily basis; which I wouldn’t be able to get without working here“

- Summer Intern  
University  
Wisconsin-Madison

## Available Roles:

- PHY/MAC Layer Systems Design
- Upper Layer Systems Design
- Wireless Modem ASIC Systems
- Mobile Computing
- Digital Signal Processing
- Computer Vision and Sensors
- Machine Learning and Neural Networks
- Context aware algorithm development
- Machine-to-machine communication, IOE, smart grid

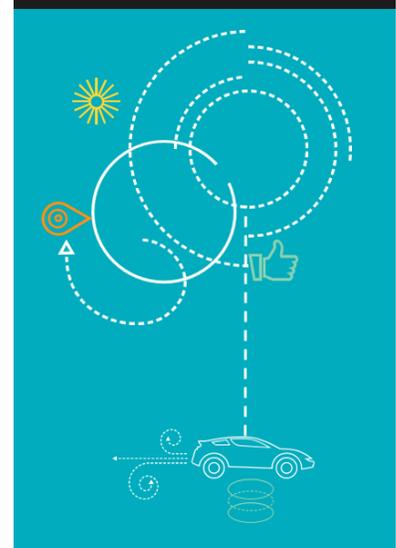
## Relevant Skills:

Must have academic project experience or 1+ year industry experience with one or more of the following areas:

- Radio communication theory and digital signal processing for wireless communication systems across layers, MIMO, OFDM, and CDMA
- Multi-cell network performance elements including resource allocations/ optimization, power control, rate adaptation, and other essential components
- Computer vision
- Computational neuroscience with signal processing techniques
- Algorithms and systems engineering, and computer architecture
- Algorithm design and architecture for mobile platform
- Algorithm design and evaluation for optimizing capacity
- Techniques, tools and language of machine learning
- Optimization theory
- Experience with wireless standards (LTE, GSM, WCDMA, IS-95, IS-2000, 1xEVDO, Bluetooth, WLAN, Wi-Fi etc.)
- TCP protocol, IoE protocol stacks
- Programming proficiency in Matlab and/or C/C++.



Work alongside your team



# Summer Highlights

Qualcomm's Internship Program is consistently ranked as being within the top three internship experiences in the U.S. according to past interns (Glassdoor, Business Insider). Besides working alongside some of the smartest engineers in our industry, we offer a variety of ways to get involved, hone your skillset, and really shine throughout the summer. Here are just a few of our favorite ways to do so.



## CRD Showcase

Corporate Research and Development interns are given a unique opportunity to showcase their intern projects to engineers across the company in a poster presentation, which is just one of the great opportunities for networking.



## Social Events

Getting to know your surrounding area is important! We make sure to provide creative ways to explore your area outside of work, whether it's a day at the beach or a kickball tournament in a local park, you'll be sure to have fun.



## Serv-a-palooza

Giving back to the community is at the heart of Qualcomm's culture. Join your fellow interns from across the US & Canada in giving back to your surrounding community during Serv-a-palooza.



## Hack Mobile

Want to tinker with some of Qualcomm's leading technologies? Participate in our [summer intern hackathon](#). With over 175 students participating across four locations last summer — it's a night of fun & learning you'll never forget!



## Executive Speaker Series

Hear about different divisions at Qualcomm from our senior executives while learning their vision for the future. Ask questions and gain valuable career advice.

# Luxury Accommodations

We take stress free living to the next level. Here are some of the great things you can look forward to in your company paid two bedroom, two bathroom luxury apartment (shared with one other intern).

- Fully equipped kitchen
- Fully furnished, decorated rooms
- Wifi internet access
- Fitness facilities, concierge service, pool/clubhouse
- Flat screen TV & DVD player in living room & bedroom
- Bi-weekly maid service
- Deluxe bedding & towels
- In-unit washer/dryer
- Iron & laundry basket
- Vacuum/cleaning kit

