

# Material Engineering Intern - Exploratory Design Group

Santa Clara Valley (Cupertino), California, United States

Duration: 3 to 12 months

## Summary

Imagine what you could do here. At Apple, new ideas have a way of becoming extraordinary products, services, and customer experiences very quickly. Bring passion and dedication to your job and there's no telling what you could accomplish. Dynamic, smart people and inspiring, innovative technologies are the norm here. The people who work here have reinvented entire industries with all Apple Hardware products. The same passion for innovation that goes into our products also applies to our practices strengthening our commitment to leave the world better than we found it. Join us to help deliver the next groundbreaking Apple product! Do you love working on challenges that no one has solved yet? As a member of our dynamic group, you will have the unique and rewarding opportunity to craft upcoming products that will delight and inspire millions of Apple's customers every single day!

Apple's Exploratory Design Group is looking for an intern with background in chemistry. You will take full advantage of high-fidelity simulations at multiple scales to investigate material properties from first principles. You will work on material R&D including theoretical study, atomistic modeling, and collaborating

with a diverse internal team to optimize the device or system-level integration of the materials for the future products.

## **Key Qualifications**

- Background in fundamental material science, with knowledge of molecules/ polymers or soft materials or biomaterials.
- Familiar with computational materials engineering methodology and have knowledge that spans fundamental materials science to applied materials engineering.
- Familiar with the structures and physical/chemical properties of various natural/ synthetic/ composite materials.

## **Description**

- Understand the physics behind the materials and associated device performance, and apply knowledge of the fundamental material science to create innovative solutions.
- Design, develop, and conduct synthetic simulated experiments to optimize the materials and devices.

## **Education & Experience**

Currently enrolled undergraduate or graduate student pursuing a B.S., M.S, or Ph.D. in chemistry, chemical engineering, material science, polymer science, physics, mechanical engineering, etc.

## **Apply**

Send resume to Huiyang Deng, [huiyang\\_deng@apple.com](mailto:huiyang_deng@apple.com)

# Semiconductor Material Science Intern - Exploratory Design Group

Santa Clara Valley (Cupertino), California, United States

Duration: 3 to 12 months

## Summary

Imagine what you could do here. At Apple, new ideas have a way of becoming extraordinary products, services, and customer experiences very quickly. Bring passion and dedication to your job and there's no telling what you could accomplish. Dynamic, smart people and inspiring, innovative technologies are the norm here. The people who work here have reinvented entire industries with all Apple Hardware products. The same passion for innovation that goes into our products also applies to our practices strengthening our commitment to leave the world better than we found it. Join us to help deliver the next groundbreaking Apple product! Do you love working on challenges that no one has solved yet? As a member of our dynamic group, you will have the unique and rewarding opportunity to craft upcoming products that will delight and inspire millions of Apple's customers every single day!

Apple's Exploratory Design Group is looking for an intern with background in semiconductor materials. You will take full advantage of high-fidelity simulations at multiple scales to

investigate material properties from first principles. You will work on material R&D including theoretical study, atomistic modeling, and collaborating with a diverse internal team to optimize the device/ system-level integration of the materials for the future products.

## **Key Qualifications**

- Background in fundamental material science.
- Familiar with computational materials engineering methodologies.
- Familiar with optoelectronic device physics.

## **Description**

- Understand the physics behind the materials and associated device properties, and apply knowledge of the fundamental material science to create innovative solutions.
- Design, develop, and conduct simulated experiments to optimize the materials and devices.
- Collaborate with fabrication and characterization teams.

## **Education & Experience**

Currently enrolled student pursuing a Ph.D. in material science, electrical engineering, applied physics, physics, chemistry, chemical engineering, mechanical engineering, optical engineering, etc.

## **Apply**

Send resume to Huiyang Deng, [huiyang\\_deng@apple.com](mailto:huiyang_deng@apple.com)