

# Landon Scotty

4321 Aberdeen Dr. Riverside, CA 92521 • (555) 321-5432 • landon.scotty@ucr.edu • linkedin.com/landonscotty

---

## PROFESSIONAL SUMMARY

More than 5 years of research experience in power systems, climate impact, and materials characterization in laboratory settings. Spearheaded a multi-laboratory study on intelligent autonomous vehicles resulting in 2 highly ranked publications. Experience in managing multiple projects with strict deadlines and budgetary guidelines.

## EDUCATION

University of California, Riverside (UCR) June 2019

### **Ph.D., Electrical Engineering**

**Areas of Expertise:** Intelligent autonomous vehicles, climate impact on power systems

University of California, San Diego June 2016

### **M.S., Electrical Engineering**

University of California, Riverside June 2014

### **B.S., Mechanical Engineering**

## TECHNICAL SKILLS

**Software:** Solid Works, AutoCAD, Nano Pattern Generation System (NPGS), COMSOL, JMP

**Nanofabrication:** Nanosphere lithography, wet/dry etching, E-beam/optical lithography

## TECHNICAL EXPERIENCE

Multi-Laboratory Autonomous Vehicle Research Study, UCR Department of Engineering May 2018 – Present  
**Team Lead**

- Lead and organize a team of 8 engineering faculty and postdoctoral researchers 5 research laboratories
- Identify laboratory equipment needs and balanced a budget of \$12,000 purchasing supplies and instruments quarterly
- Collaborate with colleagues to develop 3 peer-reviewed publications, conferences presentations and successful grant proposals

Department of Electrical Engineering, UCR

September 2017 – May 2018

### **Senior Research Associate**

- Collected and analyzed electrically gated graphene-on-diamond devices and compared them with graphene-on-oxide devices
- Synthesized thermal interface materials using graphene filler and reported findings in a 20 page technical report
- Secured grant funding and oversaw budget costs for 2 research projects

# Landon Scotty

4321 Aberdeen Dr. Riverside, CA 92521 • (555) 321-5432 • landon.scotty@ucr.edu • linkedin.com/landonscotty

---

Texas Instruments, Dallas, TX

April 2017 – August 2017

## Electrical Design Engineer Co-op

- Analyzed electrical data to study stress/strain on transistor performance and compact modeling
- Worked with a team of 4 lab engineers to create test structures on materials characterization
- Presented project findings at the 2018 Texas Instruments annual conference to an audience of 50 participants

## LEADERSHIP EXPERIENCE

Graduate Student Association, UCR

January 2017 – Present

### Vice President

- Manage editing and production of GSA's website and redesigned user interface
- Collaborate with GSA President in facilitating monthly board council meetings consisting of 85 members

IEEE Workshop on Circuits and Systems, UCR

October 2016 – January 2017

### Committee Chair

- Oversaw a budget of \$12,000 and distributed funds for catering, venue, parking, and guest speaker fees
- Organized and led 20 committee members to coordinate planning in securing 10 guest speakers, technical topics and student outreach

## PROFESSIONAL MEMBERSHIPS

**Member**, Institute of Electrical and Electronics Engineers

October 2017 – Present

**Member**, American Association for the Advancement of Science

October 2017 – December 2017

**Member**, Association for Computing Machinery (ACM)

January 2017 – December 2017

## PUBLICATIONS (1 out of 6) Presentations (1 out of 4)

**Scotty, L.** and Levy, E. (2018). Materials Characterization. *Journal of Technology*. 33(5), 222 – 240.

**Scotty, L.** and Li, J. Intelligent Autonomous Vehicles. Poster presentation delivered at the Institute of Electrical and Electronics Engineers (IEEE) Conference, Los Angeles, CA, October, 2017.

## OTHER SKILLS

**Computer:** Microsoft Word, PowerPoint, Excel, SPSS, LaTeX

**Language:** Fluent in English, Spanish and Farsi