

Akshay Kochar

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Objective

Use technology to improve lives and solve real world problems.

Education Qualification

Purdue University, West Lafayette, IN
Bachelors of Science in Computer Engineering
Minor: Economics

May 2016
GPA: 3.49/4

Skills

- New Idea Development
- Oral and Verbal Communication
- Project and Event Management
- Software Product Development

Professional Experience

Lutron Electronics, Coopersburg, PA

Senior Project Computer Engineer

June 2016-Present

- **System Assurance Automation Department** Identify, design, develop and deploy automation projects to enhance system testing and build processes of teams at Lutron.
- **Development Operations** Responsible for maintenance, improvements, policy development, upgrades and outages for software tools like Jenkins, Confluence, Jira, etc. Conduct ROI and feasibility study of new tools requested by development teams.

Indiana Bicentennial Torch Project, Purdue University

Embedded Developer

September 2015-May 2016

- Worked in cross functional team across Purdue to develop the first prototype of the smart torch for the Indiana Bicentennial Torch Relay.
- Designed and implemented torch tilt detection, location detection and automatic shutdown sequence. Enabled torch to take videos and pictures from the torch and upload to server. Worked on PCB design.

Hughes Network Systems, Gaithersburg, MD

Software Intern

May 2015-August 2015

- Designed and developed a Satellite Base Station software module to maintain component timers.
- Developed and deployed a Wireshark plugin to decode all internal communication between Base Station components.

Agriculture and Biological Engineering, Purdue University

Research Intern

May 2014 - December 2015

- Built a Map Based tool to calculate runoff of any given area and find non-point source pollution using the LTHIA model.
- Designed a map based website to help cattle owners and farmers decide locations of manure application and storage on field.
- Designed map based website to map Rain Garden Networks in Indiana and to study its impact.

Mistral Solutions, Bangalore India

Electrical Engineering Intern

May 2013 -July 2013

- Performed Board Bring up tests & interface functional tests and feasibility study to develop micro 3D printers.

Social Work

Lutron Explorer Post

July 2016- Present

- Teach kids every Thursday on engineering concepts using a very practical approach. I help plan out classes during the week and teach kids in the evening.

American India Foundation Purdue Chapter

Jan 2013 – May 2016

- Fundraise and donate money for different projects under American India Foundation by organizing Indian cultural events like Holi, Diwali, Garba, etc, a major Intercollegiate Dance competition called Nasha, Purdue cricket completion, many music nights, etc.
- I have worn many hats in the organization including but not limited to volunteering at the event, raising funds for events, planning the events, managing the events, introducing new events, managing event website, etc.

Awards and Leadership

- NSAC Undergraduate Research Symposium **Second Place**
- American India Foundation Purdue Chapter Term 1: **Marketing Head**, Term 2: **Treasurer**, Term 3: **Vice President**
- Purdue Dean's List

2014
2013-2016
2013-2016