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YASH RANJAN

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EXPERIENCE

Software Engineer, Intern	**Maxlinear Inc., Irvine CA**	**Summer 2016**

- Designed and developed test scripts using company developed code platform, MATS (C based) , to calibrate incoming radio frequencies of Modjeska chip design
- Generated mathematical models using Excel macros and polynomial curve fitting to accurately predict the behavior of a transmitter device based on varying thermal conditions

Software Engineer, Intern	**SpringBoardAuto, Irvine CA**	**Summer 2015**

- Participated in business analysis, research and requirements definition for a cloud-based platform intended to merge auto loan and car buying industry.
- Majority of work consisted of code review in XML,data gathering and workflow documentation in Visio.

Software Engineer, Intern	**Cebod Telecom, Costa Mesa CA**	**Summer 2014**

- Participated in new website launch for Cebod by testing/ QA using JavaScript and following through bug reports.
- The role evolved into website coordinator and competitive data analyst for Voice over IP offerings.

EDUCATION

University of California, San Diego   **Fall 2015 – June 2019**

- **Pursing Degree:** Bachelors in Computer Engineering (B.S)
- **Overall GPA: 3.93**
  - Provost Honoree all through
  - Junior standing as sophomore
- **Relevant Coursework**:
- Introduction to Java Programming – Accelerated, Data Structures and Object Oriented Design, Software Tools and Techniques Lab, Intro to Discrete Mathematics, Computer Organization and Systems Programming, Calculus and Analytical Geometric for Science and Engineering, Linear Algebra, Elementary Differential Equations, Physics Mechanics
- Math/Algorithms and Systems Analysis, Physics- Electricity and Magnetism, Introduction to Analog Circuit Design
- Advanced Data Structures, Software Engineering, Circuits and Systems, Probability and statistics
- Principals of Macroeconomics, Market Imperfections and Policy, Communications - Public Speaking

Leadership and Campus Involvement
- Member of National Honors Society   **Jan 2015 – Present**
- Member of Engineering for Sustainable World   **Feb 2016 – Present**
  Participated in Vice Chancellor sponsored research project regarding rainwater recapture at UCSD

TECHNICAL EXPERIENCE

Projects
- **GitHub:** https://github.com/Yash-Ranjan
- **Hard Hacks -Team Noobies:** Designed a cloud based security door lock using Arduino
- **Robotics Club:** Build and programmed a Robot to play soccer using Robot C
- **Trainee Research Assistant UCI, CA:** Responsible for data gathering and analyzing impact of radiation on rodents.
- **Group Leader, Leadership in Training, City of Irvine CA:** Mentor for kids (K-6) for academic and personal development program

Languages and Technologies
- Languages: Java, C, Matlab, Robot C, Assembly language programming, C++, Python
- Tools: Netbeans, Jcreator, Visio, JIRA, vim

- Platforms: Windows, MATS (C Based), Linux