Juan Abusleme

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Interest in the REU Program

I’m Juan Abusleme, a student in ECE at UT Austin, and this statement of purpose is to formally express my interest in the Electrical Engineering Next program.

I am highly intrigued in joining the integrated circuits and systems research area, as circuit design is something I want to dive deeply into in the near future.

Though I haven’t specifically worked on research, I have worked in various clubs and organizations that include the design of custom PCB’s, autonomous aerial systems, hardware development, software programming, and modeling. These have allowed me to get hands-on experience in multiple ECE areas.

As part of my future coursework at UT, I have started researching for my own personal projects about microelectronic circuits. Through my coursework, I seek to gain a deeper understanding in microelectronic theory and eventually apply this knowledge for real-world applications.

The research I’ll obtain in ECE Next will help me acquire new knowledge and hands-on experience that benefit me for my future goal of obtaining a master’s degree in the area or even possibly a PhD. I hope to collaborate with faculty and researchers to deepen my understanding of integrated circuits, including their design, fabrication, and optimization, while building a solid foundation in microelectronics that will serve as a stepping stone for my continued academic and professional development.

I look forward to the opportunity to engage with innovative projects and grow as a researcher under the guidance of an esteemed faculty.