

# Khalil Estell

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My YouTube Channel  
<https://www.youtube.com/channel/UCgkdIYrsyC3oRL8ymrMkDXw>

Autonomous Car Project  
<https://www.youtube.com/watch?v=1Sts9X9gJdM>

SJSU Robotics Team Channel  
<https://www.youtube.com/watch?v=fMiBnroc82Q>

My Website:  
<http://kammce.io>

**March 19th, 2016**

**To: SpaceX**

Dear hiring manager,

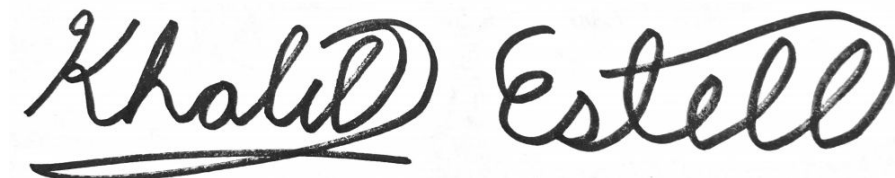
Ever since I heard of SpaceX I have been in awe of what you as a company have done. Seeing the launches and the successes of SpaceX made me want to work there everyday. Talking to representatives from SpaceX at the 2017 University Rover Challenge inspired me to apply online to be an associate engineer at SpaceX. My objective is to work at SpaceX as a summer intern where I can use my software, electrical, and manufacturing skills to further enable humanity to access space. The skills I have acquired from my course work as a Computer Engineer, my previous work at NASA Ames, CrossTrac LLC, and my work as president of the San Jose State University Robotics team qualifies me for a position at SpaceX.

At San Jose State University, I have taken courses on advanced algorithms, data structures, microcontroller programming, electronics for embedded systems and FPGA verilog design. See my youtube channel on the side for video demonstrations of the projects and portions of projects I have done. It includes designing autonomous RC Cars, testing parts of a mars rover and testing an Wireless FPV Tanks dog fight game.

My work as president of the San Jose State University Robotics Team has given me hands on skills far beyond what is taught in my curriculum. I have gained the skills to design, manufacture, assemble, analysis, and troubleshoot PCBs. I have also gained skills in mechanical design for mission critical operations. Through my work in the Robotics team, I have learned how to use 3D modeling software such as SolidWorks and OnShape, and how to use professional and commercial 3D printers. To write software for the Robots designed on my team, I have two parts of the a software stack we call RoverCore. I built RoverCore-MC (Mission Control) which is a vibrant and intuitive mission control framework for control the robots made on the team using HTML5. I also built RoverCore-S (Software) which is a lightweight, fast, effective, IoT connected, fully documented framework for controlling robotic systems from across the country that is easy to use, easy to understand and uses Node.js.

The enclosed resume provides a short overview of my education, experience and my skills. It would be my pleasure to meet with you at your convenience to discuss an opportunity for me to work at SpaceX this summer as an intern? To contact me, please call me at my cell number **916-477-9645** or email me at [kammcecorp@gmail.com](mailto:kammcecorp@gmail.com). The source code to the framework is currently private to the Robotics team, but, I can give you access to the repo upon request.

Sincerely,

A handwritten signature in black ink that reads "Khalil Estell". The signature is fluid and cursive, with a long horizontal line underlining the first name.

Khalil A. Estell