Executive Summary of Accomplishments

As part of our interview process, SpaceX would like to see a summary highlighting your most exceptional educational and professional accomplishments. Ideally, the examples you share will be a reflection of your most highly technical accomplishments and show why you are a top candidate for SpaceX. Please complete the following two sections and send a copy to your recruiter.

Section I: Academic Achievements

Please provide a bulleted list of the degrees you have completed, along with your corresponding GPA. We would also like you to include your standardized tests scores (GRE, GMAT, SAT/ACT, etc.).

B.S., *summa cum laude*, in Computer Science and Physics with Honors and a Minor in Math
GPA: 3.9/4.0

SAT: 1550/1600

Section II: Bullet List of Top Accomplishments

Please provide 4-6 achievements that highlight your top accomplishments or demonstrate challenges that you have overcome. Include details of your personal contribution, any tools or methodologies you used to solve it, and quantify the results whenever possible in order to show the cause and effect relationship.

Each bullet should be very concise - no longer than 3-4 sentences each, but should capture the problem, solution, and result. We recommend you follow this general format:

1. Start with an action word (designed, led, built, promoted, launched, created, etc.)
2. Provide a short summary of the project
3. List the challenges or unique aspects of the project
4. Analyze/summarize the results (awards, patents, ROI, promotions, etc.)

Example Bullets:

- *1 of 2 technicians trusted to oversee the build and fabrication of the <name of helicopter>, a $1M product with hardware that requires complex precision to hold a $45k camera in the front. Developed techniques to eliminate a majority of the prepping time to reduce the build time by several hours. Additionally, recorded all of the work instructions so that the rest of the team could be trained on these more efficient techniques.*
- *Discovered small stress cracks on a weld of the main frame beams of a newly manufactured Eliminator v.II. By locating these cracks before they propagated, the entire machine was spared complete failure, saving an estimated $150,000, and over a month of down-time.*
- *Launched <Removed Name of Company> LLC with two partners via a Kickstarter campaign, which raised over $250,000 in funding for a <removed product description>. Contribute circuit design, PCB layout, test procedures, manufacturing support, customer support, and future product development. Product is now in production and modestly profitable.*

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- *Lead Engineer on a project to completely redesign the wiring harnesses for <a major mining equipment manufacturer's family of electrical generators>. These generators are powered by 12, 16, or 20 cylinder diesel engines producing up to 4000kW of continuous power while operating in extreme environments. Over the past decade, the company has introduced dozens of new features across this family of generator designs, which required the manufacturing group to support over 50 unique harness assemblies. I produced a modular harness design that allowed new features to be added to a common assembly saving in excess of $100/per unit in materials (>$250,000 annually) and countless man-hours in assembly. Received a promotion for my work on this project.*
- *Hired as the sole Test Engineering role for <a major supplier of test equipment> in support of their <RF test product>. Replaced the previous Test Engineering team (4 engineers) and the Senior Technical Lead who had all left the department. Modularized the software designs into reusable code blocks and created a class based instrument control driver software for the test equipment. The upfront work of this cost paid off huge by allowing very fast implementation of the 14GHz variation. Met or exceeded all project goals and shipped the product on-time.*

Accomplishment #1

Led project to design and develop a scalable and performant infrastructure that was HIPAA compliant to log, send, and store configuration data along with user action data. Reduced storage requirement by over 80% by optimizing SQL database. Data showed a 8-12% clinician efficiency boost.

Accomplishment #2

Led, designed, and implemented a project to build out support for attaching, sending, and displaying PDF documents with a patient's test result when received over an HL7 interface. This functionality was crucial in securing several new customer sales.

Accomplishment #3

Built an extensible and performant command line utility in C++ to generate a large set of random numbers for I/O testing. Data produced by utility was used to prove bug in fio, a popular open-source project for I/O testing.

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Accomplishment #4

Spearheaded two large projects at an e-commerce business while I was a student. Designed a queue-based system with RabbitMQ to ensure consistent inventory across multiple e-commerce platforms. Created a fast and modular image editor that featured storing images in the cloud, compressing and downscaling images, and uploading images from the web via drag and drop along with the usual editing operations like cropping, rotating, and brightening an image. The system resulted in sales growing by 25% a month after rollout.

Accomplishment #5

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Accomplishment #6

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