

# Austin Bebee

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Mechanical Engineer

I am pleased to submit my application for this Mechanical Engineer position. With a passion for problem solving, designing, and developing, I am excited by the opportunity this job presents.

Throughout my professional experiences, I have dedicated myself toward consistently providing high-quality solutions to challenging problems. As a research assistant at the University of Idaho, I was able to lead the design and development of a novel electromechanical agricultural measurement device.

Designing from scratch, I frequently developed multiple prototypes and used data to make design improvements and validate measurements. For example, I conducted proof-of-concept and accuracy tests to guide the design of an automated crop height measurement subsystem. Whether I was developing SolidWorks models or physical prototypes, I thoroughly enjoyed the process of its creative development, especially with the knowledge of its potential impact in such an important field. The device's groundbreaking design led the machine to the patent process, but more importantly, it is likely to have an incredible impact for farmers and perhaps the world's food security. I know I could learn, adapt, and continue to make significant impacts in this Mechanical Engineer position.

With strong skills in adaptability, drive, and resourcefulness, I will be able to quickly and continuously learn to drive the company forward. It was this same set of skills that enabled me to smoothly transition from developing computational fly swarm models during undergraduate research to designing and developing an innovative electromechanical machine. Additionally, my analytical yet creative mindset will allow me to identify and solve complex problems.

I would be honored to join the team and apply my creative drive toward improving designs. Please contact me at any time via phone at 206-877-2618, email ([austin.beebe@gmail.com](mailto:austin.beebe@gmail.com)), or any other avenue to further discuss my qualifications. Thank you for your consideration. I look forward to hearing from you.

Best regards,



Austin Bebee