

Jaxon Beltran

Robotics AI Engineer

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SUMMARY

Recent graduate with a Bachelor's degree in Computer Science specializing in Robotics and AI. Demonstrated hands-on experience through academic projects focusing on machine learning algorithms and robotics systems. Strong analytical and problem-solving skills with a passion for technology and continuous learning. Proven ability to collaborate effectively in team-oriented environments, delivering innovative solutions that enhance automation and efficiency in real-world applications. Excited about the prospect of contributing to intelligent robotics efforts and furthering capabilities in automation, while embracing ongoing professional growth and challenges ahead.

EDUCATION

Bachelor's Degree in Computer Science

University of Denver 🎓 GPA: 3.7 📅 2026 📍 Denver, CO

Coursework: Data Structures, Machine Learning, Robotics, Algorithms

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Java
- **Machine Learning Frameworks:** TensorFlow, Keras, Scikit-Learn
- **Robotics Software Tools:** ROS, OpenCV, Gazebo
- **Collaboration Platforms:** GitHub, Discord, Slack
- **Data Visualization Tools:** Tableau, Matplotlib, Seaborn
- **Project Management Apps:** Trello, Asana, JIRA
- **Prototyping Tools:** Arduino, Raspberry Pi, CAD
- **Cloud Computing APIs:** AWS Lambda, Google Cloud Functions, Azure Functions
- **Software Development Methodologies:** Agile, Scrum, Waterfall
- **User Testing Methods:** A/B Testing, Usability Testing, QA Process

SKILLS

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|--------------------|----------------------|----------------------|----------------|
| • Python | • Robotics Systems | • AI Integration | • Prototyping |
| • C++ | • Problem-Solving | • Automation | • Presentation |
| • Java | • Team Collaboration | • Testing Procedures | • Debugging |
| • Machine Learning | • Documentation | • Research Analysis | |

EXPERIENCE

Robotics AI Developer

University Project 📅 January 2026 - Present 📍 Remote

Supported development of a prototype robotic arm using Python and C++, enhancing precision across automated tasks. Engaged in rigorous testing and debugging phases to elevate performance metrics and ensure operational stability within project scopes. Collaboration enriched through peer reviews and integrating feedback loops, reinforcing outcome quality.

- Developed prototype robotic systems for enhanced automation.
- Implemented machine learning algorithms, improving object recognition accuracy.
- Conducted thorough tests, achieving notable improvement in response time.
- Authored comprehensive documentation covering processes and technical barriers.
- Showcased projects at university tech events highlighting innovations.
- Facilitated positive peer interactions, fostering group achievement.

Research Assistant

University Research Lab 📅 September 2025 - December 2025 📍 Denver, CO

Contributed critical research insights into advanced robotics hardware and software systems, primarily focused on creating smart navigation solutions. Enhanced data presentation clarity for faculty members while collaborating actively during consolidated project meetings, ensuring cohesive workflow and idea sharing.

- Assisted in developing cutting-edge smart navigation technologies.
- Utilized strong data analysis skills for parsing complex datasets.
- Generated insightful reports facilitating peer knowledge-sharing.

- Participated in weekly team-engagement sessions promoting goal alignment.
- Documented methodologies aimed at expediting future publication opportunities.
- Introduced effective testing protocols boosting navigation precision significantly.

Team Lead

Hackathon Project 📅 March 2025 📍 Denver, CO

Spearheaded a collaborative initiative in a fast-paced hackathon environment, delivering an innovative AI-driven drone delivery prototype. Coordinated diverse ideas into actionable plans, demonstrating measurable leadership alongside a dedicated team striving to craft solutions reflecting creativity and technical execution.

- Led a dynamic team through a rigorous 48-hour innovation challenge.
- Crafted algorithms addressing complex obstacle detection scenarios.
- Displayed competency in presenting technical findings to industry judges.
- Facilitated transparent communication among team members driving project milestones.
- Maintained detailed documentation of development stages for reference.
- Leveraged mentor engagement for refining technological directions.

LEADERSHIP & AWARDS

- Dean's List, University of Denver (2024, 2025)
- First Place, University Robotics Challenge (2025)

CERTIFICATIONS

- AWS Academy Cloud Foundations 📅 2025
- Google Data Analytics Certificate 📅 2025

PROFESSIONAL AFFILIATIONS

- Member, Robotics Club, University of Denver
- Volunteer, Local Coding Bootcamp for Kids

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST