

MARCUS ALBRECHT

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EDUCATION

Stanford University

Bachelor of Science Candidate | GPA: 3.66/4.00

- **Intended Major:** Mechanical Engineering

Stanford, CA

Expected June 2029

Sportschule im Olympiapark - Poelchau School

German Abitur | 1.7 (1.0 = highest) | Class leader and Student Council representative

Berlin, Germany

July 2025

Berlin Brandenburg International School

International Baccalaureate Program | GPA: 4.20/4.25 | Multiple IB awards and Service Awards | Student Council representative June 2023

Berlin, Germany

DESIGN AND ENGINEERING EXPERIENCE

Xcelsitas AG

Product Development and Design Intern

Berlin, Germany

August 2026 - Present

- Identified key design issues in medical devices affecting clinical workflows through feedback from hospital end-users.
- Investigated cable and equipment-related failures, documented findings, and distinguished product/material defects from damage resulting from operational wear.
- Developed several low-cost solutions to address identified design and equipment issues, outlined part specifications, and created sketches and detailed visualizations while minimizing new or specialized components.
- Designed and 3D-printed functional prototypes of selected solutions and presented the concepts and recommendations to the OEM supplier for further development.

SELECTED PROJECTS

DIY Rowing Machine

Berlin, Germany

- Designed and built a functional rowing ergometer for under EUR 200 using wood and repurposed bicycle components; compared three resistance concepts and iterated the axle, chain, and seat after multi-user testing.

5-DOF Robotic Arm

Berlin, Germany

- Assembled and programmed an Arduino-compatible robotic arm, configured servo controls and tested coordinated movement across five degrees of freedom.

Remote-Controlled Aircraft

Scarsdale, NY

- Designed and built several functional remote-controlled aircraft; selected components and optimized weight distribution and aerodynamic performance; Integrated radio receivers, motors, and servos.

Stanford Product Realization Labs

Stanford, CA

- Completed 20+ hands-on design-build projects using rapid prototyping, machining, woodworking, laser cutting, and 3D printing. Built a three-axis, beam-adjustable desk lamp featuring a scissor-lift mechanism and swiveling head.

ATHLETICS

Stanford University Men's Rowing

NCAA Division I Athlete

Stanford, CA

2025-Present

- Raced in Stanford's Second Varsity Eight that won the 2026 IRA B Final and finished seventh nationally; contributed to Stanford's fifth-place Ten Eyck team finish and Chapman Trophy win.

German U19 National Team / Berliner Ruder-Club

National-Team Rower and Berlin Rowing Club Athlete

Berlin, Germany

2024 / BRC: 2016-Present

- Bronze medalist in the men's eight at the 2024 World Rowing U19 Championships; five-time German national champion.
- Raised more than US\$5,000 through a GoFundMe campaign to support Berliner Ruder-Club.

SKILLS & ADDITIONAL INFORMATION

Design, CAD & Fabrication: Fusion 360, Figma, rapid prototyping, machining, 3D printing, laser cutting, woodworking

Electromechanical: Arduino, servo/motor integration, radio-control systems

Programming & Software: Python, Excel, PowerPoint

Languages: English (native); German (fluent); Mandarin and Spanish (conversational)

Work Authorization: Authorized to work in the United States and European Union

Interests: Competitive rowing; personal investing; travel (29 countries)