

ALEX MIYAMOTO

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EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering
B.S. Civil Engineering, Minor in Business | GPA: 3.83 / 4.0

Expected May 2027

TECHNICAL LEADERSHIP

Venezuela Seismic Engineering & Reconstruction Initiative | Project Director | Miyamoto Relief

July 2026 - Present

- Initiated and led a post-earthquake partnership between 100+ students at Universidad Central de Venezuela, Engineers Without Borders at ASU, and Miyamoto Relief focused on assessment, engineering education, and student reconstruction efforts.
- Designed and successfully secured \$150,000 in U.S. Department of State funding for structural assessment, seismic risk reduction, training, and reconstruction of earthquake-damaged infrastructure.

Kenya Water Infrastructure Engineering Project | Project Director | Engineers Without Borders ASU

Jan 2025 - Aug 2026

- Led a 35-member team delivering a \$20,000 water system for 500 students at a rural primary and secondary school, including a 180m borehole, solar installation, 20,000L storage, and piped distribution network.
- Created and managed the full project budget, contractor selection, negotiations, and community agreements, reducing the initial quote by 20% and independently securing \$15,000 through grants, pitch competitions, and corporate donations.
- Coordinated Kenyan contractors for 1 year and spent 4 weeks on-site across 2 trips, leading student travel teams through final assessment and implementation.
- Secured media placements on Good Morning Arizona, ABC15, and The State Press.

EXPERIENCE

Structural Engineering Intern | Taisei Corporation | Tokyo, Japan

Summer 2026

- Worked on-site in Tokyo within the International Structural Design Division, supporting reinforced-concrete industrial-scale structural engineering projects across Southeast Asia.
- Designed and analyzed reinforced-concrete members using SAP2000, ACI 318, ASCE 7, and Vietnamese building code standards.

Systems Engineering Intern | SuperNova3D | Barcelona, Spain

Summer 2025

- Conducted on-site R&D in Barcelona on viscous lithography additive manufacturing.
- Designed, fabricated, and integrated 2 post-processing systems: a centrifugal unit and automated dipping system, accelerating resin removal by 70% from printed components, incorporating CAD, mechanical fabrication, electrical wiring, and controls.

Structural & Humanitarian Engineering Intern | Miyamoto International

May 2024 - Present

- Supported post-disaster structural engineering and disaster-response logistics.
- Contributed to global business strategy across Miyamoto International's international operations.
- Supported regional budgets, operations, and executive planning.

UNIVERSITY IMPACT

Co-President | Engineers Without Borders at ASU

Jan 2025 - Present

- Lead a 120+ member organization across 6 domestic and international project teams, managing a \$25,000 annual budget and 15 project leaders.
- Coordinated 4 project implementations across Nicaragua, Ethiopia, Kenya, and Arizona and launched new programs in Uganda and Venezuela spanning water infrastructure, solar energy, recycling systems, and sustainable agriculture.
- Direct chapter strategy, project development, fundraising, professional mentorship, and partnerships with universities, nonprofits, contractors, and engineering organizations.

Engineering Senator | ASU Undergraduate Student Government

May 2024 - May 2025

- Elected as 1 of 10 senators representing 30,000 engineering students, collaborating with university leadership and faculty on legislation and student initiatives.