Joceline Duque

Irvine, CA (willing to relocate) | duquejoceline@gmail.com | (951) 403-8435 | LinkedIn | osu.my.canva.site

EDUCATION

University of California, Irvine Irvine, CA

The Henry Samueli School of Engineering

Bachelor of Science in Civil Engineering. Dean's List. GPA: 3.67. *June 2029*

Relevant Coursework: Statics, Mechanics of Materials, MATLAB and Computational Problem Solving, Introduction to Civil Engineering (AutoCAD and SketchUp)

SKILLS

CAD/3D Modeling: AutoCAD, SketchUp, SolidWorks

Programming: MATLAB

3D Printing: Bambu Studio

Productivity Suites: Microsoft 365, Google Workspace

Languages: English (Native), Spanish (Native/Bilingual)

PROJECTS

UCI 3D-Printing November 2026 – Present

Printing Sub-Team Member

- Slice and print 3D test specimens using Bambu Studio and a Bambu A1 printer to support material evaluation
- Analyze how infill patterns and percentages affect specimen strength by observing compression and tensile testing
- Research Bambu configurations to identify optimal print settings for the team's testing purposes

Anteater Ride Engineering October 2026 – November 2026

Sub-Team Lead

- Led a 4-person theming sub-team, coordinating with 5 other sub-teams to ensure aesthetic elements did not compromise structural integrity
- Designed model roller coaster theming elements and created marketing and outreach materials

Toronto Metropolitan Thrill Design Competition April 2026 – June 2026

Graphics Lead

- Collaborated on an amusement park attraction concept integrating guest flow, ride vehicles, and environments
- Developed character, vehicle, and environment designs aligned with attraction layout, safety constraints, and competition prompt

OAI Summer Bridge August 2025 – August 2025

Team Member

- Collaborated on a 4-person team to design and build a themed remote-control car within a one-week deadline
- Modeled custom components in SolidWorks for 3D printing and laser cutting

ACTIVITIES & LEADERSHIP

ASCE — American Society of Civil Engineers, UC Irvine Fall 2025 – Present

General Member, IVP Intern, ASCE OC Mentorship Academy Participant

SHPE — Society of Hispanic Professional Engineers, UC Irvine Fall 2025 – Present

General Member