

# Sean M. Russell

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San Diego, California

## Structural Engineer Student

Structural engineering student seeking opportunity to learn by doing while working with engineering principles. Possess analytical abilities and technical skills necessary for engineering innovative designs and applications. Solid understanding of engineering theory. Maintain Secret Clearance from the U.S. Government. Expected graduation June 2024.

## Areas of Expertise

- ◆ Full-Cycle Project Management
- ◆ Excellent communication skills
- ◆ Demonstrated leadership skills
- ◆ Strong problem-solving skills
- ◆ Workflow Management
- ◆ Client Relationship Management
- ◆ Self-motivated and eager learner, aptitude to grow and develop within the field

## Technical Proficiencies

**Platforms:** Windows 7/8/8.1/10, Eagle CAD, AutoCAD, C, C++, Fusion 360, SolidWorks, MATLAB, Excel, MS Office

## Professional Experience

**Lowes Hardware, San Diego, CA**

2021

**Customer Service Associate (Part Time)**

Interact directly with customers to resolve problems, and recommend products and services.

**U.S. State Department, Sydney, Australia (Summer Hire)**

2021

**Engineering Assistant (Internship)**

Supported lead project manager during final stages of construction of the new U.S. Consulate in Sydney, Australia. Provided support in program management and design of new facilities. Coordinated construction project assignments and made recommendations to contracting officers. Organized meetings, prepared progress information, and participated in planning sessions. Reviewed, interpreted, and checked engineering drawings, and other specifications to ensure compliance. Recognized errors, ambiguities, or omissions and provided corrective recommendations. Applied quality control and quality assurance practices and procedures to projects and equipment. Utilized computer software to manage projects and fiscal control. Demonstrated effective verbal and written communications skills with technical and non-technical personnel.

**Sikana NGO, Rio de Janeiro, Brazil**

2018-19

**Teaching Assistant (Volunteer)**

Created and gave instruction on creating videos to students in the Rio de Janeiro favelas.

## Education

**Bachelor of Science in Structural Engineering – Expected Graduation June 2024**

University of California – San Diego, GPA 3.5

**Relevant Courses:** Intro to Structures and Design, Graphical Communication for Engineering Design. Mechanics I: Statics, Mechanics II: Dynamics, Solid Mechanics I & II, Structural Materials, Introductory & Advance Fluid Mechanics, Design for Development & Lab, Engineering Computation, Relativity and Quantum Physics, Elements of Material Science, Mathematical Physics, Engineering Graphics and Design, MATLAB Programming for Engineering Analysis, Circuit Theory, Analog Electronics/Circuits, Logic Design, Digital Design, Linear Circuits.

**Claremont High School, Claremont, CA Graduation June 2019**

G.P.A 4.06

## Affiliations

Structural Engineers Association of San Diego (SEAOSD), Member

Society of Civil and Structural Engineers, Member

Engineers Without Borders at UCSD, Member