ROBERT WANG

rwang01@stanford.edu – 650-441-7517 – Stanford, CA 94305 – Canadian Citizen

EDUCATION

Stanford University, Stanford, CA,   2020 – 2020
Graduate School of Business – Ignite Program for Entrepreneurship and Innovation

Stanford University, Stanford, CA,   2018 – 2020
M.S in Structural Engineering – GPA 3.91/4.0

University of Ottawa, Ottawa, ON,   2013 – 2018
B.A.sc in Civil Engineering (CO-OP) – Summa Cum Laude (GPA 9.56/10)

WORK EXPERIENCE

Student Research Assistant – Stanford University, Stanford, CA   05/2020 – 07/2020

- Calibration of nonlinear connection models to simulate pre-Northridge moment frames
- Digitizing existing test data via Matlab and running OpenSees models to statistically characterize fracture parameters

Graduate Teaching Assistant – Stanford University, Stanford, CA   09/2019 – 03/2020

- TA for Advanced Structural Analysis (CEE 280) Fall 2019 Quarter
- TA for Nonlinear Structural Analysis (CEE 282) Winter 2020 Quarter
- Provided guidance to students with weekly p-sets during office hours. Demonstrated excellent technical communication skills. Hosted several tutorial lectures for Matlab programming

Engineering Intern – Degenkolb Engineers., San Francisco, CA   06/2019 – 09/2019

- Performed analysis and design of various tenant improvement projects in the Bay Area. Designed cold-form steel walls/ceilings, tube steel structures, equipment seismic anchorage, etc.
- Designed excavation shoring, retaining walls, temporary bracing/shoring, and other construction engineering related tasks

Structural Engineering Assistant – AAR Ltd., Ottawa & Toronto, ON   04/2017 – 08/2018

- Responsible for structural load calculations, timber member proportioning, garage condition assessment, site visits, shop-drawing review/mark-up, fee proposal preparation, field inspection reports, etc. for numerous small to medium scale restoration/fit-up projects in Ottawa
- Designed concrete two-way slabs for multiple residential mid/high-rise projects in Toronto. Reviewed rebar shop drawings and conducted site inspections to ensure correct detailing

EXTRACURRICULARS

- CEE Department Structural Engineering Program Student Representative, Stanford, CA (2019-2020)
- Stanford Graduate Student Programming Board – Event Organizer, Stanford, CA (2018-2020)
- Engineers Without Borders – Water for the World Workshop Facilitator, Toronto, ON (Mar 2018)
- Habitat for Humanity – Pinery Trail Housing Build, Toronto, ON (Jan 2018)
- National Troitsky Popsicle Bridge Building Competition Bronze Medal, Montreal, QC (Mar 2017)

SOFTWARE PROFICIENCY

RISA, ETABS, SAFE, SAP2000, spSlab, spColumn, Enercalc, TEDDS, S-Frame, Mathcad, Excel/VBA, Matlab, Python, C++, AutoCAD, Revit, Dynamo, Bluebeam, Sketchup