

## **EDUCATION**

University of California, Berkeley – May 2020

Master of Science | Civil Engineering, Structural Engineering, Mechanics and Materials

Overall GPA: 4.00/4.00

University of Texas at Austin – December 2016

Bachelor of Science | Architectural Engineering | Highest Honors

Overall GPA: 3.97/4.00

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## **PROFESSIONAL HISTORY**

***Senior Forensic Engineer, Thornton Tomasetti – Austin, Texas***

***August 2020 – Present***

- Conduct condition assessments and failure investigations to document existing building conditions and distress caused by natural and man-made perils
- Produce technical reports covering damage assessed, evaluation of historical data of building, and weather research
- Diagnose building envelope deficiencies, and provide conceptual and detailed repair recommendations for interior and exterior issues
- Assist with safety assessments for occupied structures by performing visual structural evaluations
- Investigate building material protocols, and storing and installation methods by conducting research including interviewing manufactures and contractors
- Develop and maintain client relationships and assist in insurance loss consulting
- Utilize AutoCAD and REVIT for engineering drafting
- Utilize infrared camera to assess damage throughout building facades and roofing systems
- Handle administrative duties including project and software management
- Active in company Equity, Diversity, and Inclusion organizations including W@TT (women's employee network), Mosaic (multicultural employee network), and Spectrum (LGBTQIA+ employee network)
- "Green Champion" designated representative for the Austin, Texas office with duties including promoting and implementing sustainability-minded changes

***Staff Engineer, Building Diagnostics, Inc. – Austin, Texas***

***September 2016 – April 2020***

- Conducted condition assessments and failure investigations to document existing building conditions and deficiencies to assemble reports or a remedial design with repairs and maintenance recommendations
- Prepared design documents, spreadsheets, drawings, specifications for bidding and contract packages
- Utilized different programs to perform calculations for remedial projects
- Evaluated bids, submittals, and payment applications to ensure compliance with contract documents
- Organized and lead progress meetings with contractors and clients to maintain efficient workflow and discuss project development
- Conducted on-site construction monitoring to observe implementation of remedial designs, ensure compliance with the design intent, and perform quality control
- Developed resources for drafting, update and improve company templates for reports, calculation spreadsheets, meeting minutes, and other project documents
- Managed international projects in Mexico City, translate bidding documents, and acted as primary contact for international contractors
- Assisted in company-owned Durability Lab where building components and materials were tested for durability
- Utilized AutoCAD for engineering drafting and executed field tests

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## SKILLS

- Bilingual: fluent in both English and Spanish
- Proficient in Microsoft Office Suite, AutoCAD, and REVIT
- Team player with excellent interpersonal and communication skills - oral, written, and presentational

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## ORGANIZATIONS

- Member, Structural Engineering Association of Texas, 2014 – 2019
- Member | Mentor | Events Coordinator | Academic Director, Society of Hispanic Professional, 2013 – 2016
- Member | Mentor, Women in Engineering Program, 2013 – 2016
- Member, Architectural Engineering Institute, 2014 – 2015
- Participant, UT Solar Decathlon, 2014
- Member, American Society of Civil Engineers, 2013

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## EXTRACURRICULAR ACTIVITIES

- Competitor, Olympic Lifting, 2020 – Present
- Competitor, Powerlifting, 2018 – 2020
- Volunteer, Austin Pets Alive, 2017 – Present
- Mentor, ACE (Architecture, Construction, Engineering) Program, 2018
- Instructor, Zumba, 2015 – 2016
- Mentor, Independent Project in Academic Coaching, 2014 – 2016
- Tutor, Equal Opportunity Engineering Program, 2014 – 2016
- Tutor, UT Austin Jester Study Tables, 2013 – 2014
- Volunteer, Palms Valley Animal Shelter and Animal Shelter in Reynosa, Tamaulipas, 2006 – 2014

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## AWARDS

- Recipient, Outstanding Scholar-Leader Award of Cockrell School of Engineering Graduating Class, 2016
- Recipient, Highest Honors, 2016
- Recipient, Distinguished College Scholar, 2014 – 2016
- Selected Participant, Nanotechnology Innovation Maymester in Barcelona, 2016
- Selected Participant, Theta Beta Pi Engineering Honor Society, 2015 – 2016
- Selected Participant, Emerging Technologies Maymester in London, 2015
- Selected Participant, LeaderShape, 2014
- Recipient, Outstanding Tutor Certificate for Engineering Study Tables in Jester, 2013
- Selected Participant, Women in Second year Engineering (WISE) Program, 2013
- Selected Participant, ExxonMobil Future Leaders Academy (FLA), 2013
- Selected Participant, ExxonMobil Fellowship Program, 2013

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## SCHOLARSHIPS

- Recipient, Berkeley Graduate Opportunity Program Master's Fellowship, Tuition and Stipend, 2019
- Recipient, Friends of Alec Excellence Fund Scholarship, 2016
- Recipient, Friends of Alec Endowed Scholarship, 2016
- Recipient, Ralph Nelson Endowed Scholarship, 2015 – 2016
- Recipient, University Endowed Presidential Scholarship, 2015
- Recipient, Texas Exes Scholarship, 2015
- Recipient, State Top Ten Percent Scholarship, 2012 – 2015
- Recipient, Academy of Distinguished Alumni Endowed Scholarship in CAEE, 2014
- Recipient, Structural Engineering Association of Texas Scholarship, 2014
- Recipient, Oak Grove Cooperative Scholarship, 2013 – 2014