

# Tai Willis Olson

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## EDUCATION

**Northwestern University**, Evanston, IL

September 2015-Present

*Masters of Engineering Management Candidate, Anticipated Graduation June 2017*

- Focus on Managerial Analytics including optimization modeling, forecasting, simulation and analysis.
- Focus on Design and Innovation including new product introduction, product management, patent research and intellectual property control.

**University of Virginia**, Charlottesville, VA

May 2009

School of Engineering and Applied Science

*B.S. Civil Engineering*

## EXPERIENCE

**American Lime Technology and US Heritage Group**, Chicago, IL

*Director of Operations*

October 2015-Present

*Technical Sales Engineer*

August 2012-October 2015

US Heritage Group and American Lime Technology are sister companies. US Heritage Group manufactures custom historic masonry restoration materials and provides project laboratory services and consulting. American Lime Technology produces residential and commercial bio-composite wall envelope systems based on hemp aggregate and cementitious binders called Hemcrete.

### Responsibilities

- Plan manufacturing production schedule.
- Create forecasting models to facilitate inventory management.
- Optimize supply chain to manage material sourcing.
- Develop and implement processes to optimize efficiency and reduce costs of manufacturing.
- Develop new products, custom testing and accreditation methods.
- Oversee laboratory analysis and write analysis reports for historic mortar testing.
- Lead in-house and onsite training for contractors and present American Institute of Architects Continuing Education courses.
- Estimate projects, write proposals, develop and review specifications, and respond to technical inquiries from architects, contractors and homeowners.

## LEADERSHIP AND VOLUNTEER EXPERIENCE

**Student Advisory Board, Northwestern University**, Evanston, IL

September 2015-Present

*Alumni/Outreach Committee Chair*

- Organize networking and social events with current students, alumni and faculty.
- Arrange professional development activities for current students.

**Nonprofit consulting**, Chicago, IL

April 2015-Present

- Consult with non-profit group to develop coconut-fiber based building system for affordable housing in Jamaica.

## TECHNICAL AND MANAGERIAL SKILLS

- Modeling, Forecasting, Analysis and Simulation with Excel Solver, @Risk, and PrecisionTree.
- Formal Leadership and Negotiation Training.
- Expert in Microsoft Office.
- Proficient in CAD software including AutoCAD, Vectorworks, and SketchUp.