

Alexander Ng

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Education

Northwestern University, McCormick School of Engineering and Applied Sciences *June 2015*
Bachelor of Science in Civil Engineering
Architecture Certificate, Segal Design Certificate
GPA: 3.1 / 4.0

Work Experience

Walsh Construction *West Point, NY*
Project Engineer Intern *Summer 2014 (10 Weeks)*

- Coordinated subcontractor work hours for monthly payment audit with Army Corp of Engineers
- Contacted potential subcontractors for bids on new scopes of work
- Organized and Created system of organization of all RFI's and project submittals
- Managed SWPPP program and coordinated completion of outstanding items with subcontractors
- Assisted Quality Control Manager with daily inspections and documentation of rock anchor installation

Mass Electric Transportation *Phoenix, AZ*
Field Engineer Intern *Summer 2013 (10 Weeks)*

- Completed take-offs of necessary construction materials ranging from conduit to track boxes
- Oversaw subcontract work and tracked progression of work

Leadership

Northwestern University – Concrete Canoe *2012 - Present*
Project Manager

Concrete Canoe is a design competition where students design and race a canoe constructed from concrete

- Compete in Annual ASCE Great Lakes Regional ASCE Conference
- Designed innovative method of casting light weight concrete into Styrofoam form

Northwestern Office of New Student and Family Programs *2012 - Present*
Wildcat Welcome Peer Adviser

- Guided 13 new students during week long orientation program
- Led two quarter long personal development class with new students

Projects

ASD Reading Comprehension Application *Spring 2015*

- Designed an application that would motivate children on the Autism spectrum to read
- Developed and incorporated new testing method to test for comprehension
- Interacted with client, user, and secondary stakeholders to design application functions

Blackbox Breadfruit Dryer *Fall 2014 - Present (2 Quarters)*

- Designed and fabricated a solution for Jamaican farmers to dry breadfruit shreds
- Incorporated concepts from multiple engineering disciplines into one design
- Consulted client throughout the project with updates and design questions

Skills

Mandarin • Cantonese • Spanish • Revit • Adobe Suite •
Primavera • AutoCAD • BlueBeam • MatLab • Machining
• Visual Analysis • Microsoft Office •

Activities and Hobbies

Rock Climbing • Special Olympics • Steel Bridge •
Outdoors Club • Swim Club • Cooking • Cycling •