

Hanni A. Abukhater

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EDUCATION

New Jersey Institute of Technology, Newark, New Jersey

Bachelor of Science, Dec 2013

Major: Mechanical Engineering

EXPERIENCE

City-Hydroponics LLC

Director of Research & Development

Brooklyn, NY

Jan 2013 – Dec 2014

- Developed prototype hydroponic apparatus (VOHS) into a commercially viable product
- Increased efficiencies per area while decreasing unit costs and installation time
- Improved system reliability and safety by adding additional features
- Consulted with overseas manufacturers to dramatically decrease component costs
- Worked with frame fabricators to further optimize design and decrease manufacturing costs
- Created testing studies to evaluate growth of plants under several conditions
- Collaborated with intellectual property lawyer to create patent and protect various design aspects
- Compiled materials and componentry orders for testing and installation build-outs

NJIT Formula Society of Automotive Engineers (FSAE)

Frame Design Team Lead

Newark, NJ

Sept. 2012 – July 2014

- Design Formula-1 vehicle chassis around FSAE rule constraints and components requirements
- Collaborate with other team leads to meet design needs
- Optimized frame to meet weight, cost, and strength goals while complying with all FSAE rules
- Test design performance through physical and virtual torsional and bending analysis

Handymen

Co-Founder

Clifton, NJ

May 2010 – Jan. 2013

- Manage a landscape, design, computer repair, light construction, and web design company
- Acquire and communicate with clients to evaluate needs and quote job costs
- Allocate resources and appoint laborers for each project

NJIT Innovation Acceleration Club

President

Newark, NJ

Sept. 2011 – Jan. 2012

- Assist students in preparing business plans, presentations, and a target timeline
- Organize and coordinate meetings and presentations between venture capitalists and students
- Find competitions for students to submit or pitch their business plans

CERTIFICATIONS

Construction Quality Management for Contractors (CQM-C)

Completed: 4/18/2014

ADDITIONAL SKILLS

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- Solidworks, Pro-E, Creo/Wildfire, ANSYS, AutoCAD, CNC Operation, Soldering, Matlab
 - Javascript, HTML5, CSS3
 - Command Line, Node, NPM, Github, Sublime Text 3