

Hannah Barrett

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EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

Candidate for B.S. in Mechanical Engineering and Management Science

2015

Relevant Coursework: Mechanics & Materials, Thermal-Fluids Engineering, Electronics, JAVA, Microeconomics

GPA: 5.0/5.0

Westlake High School

Thousand Oaks, CA

Valedictorian, GPA: 4.0/4.0 UW, 4.72 W • SAT: 2310/2400

2011

WORK EXPERIENCE

MIT Media Lab—Mediated Matter Group, Cambridge, MA

Summer 2012

Undergraduate Researcher

- Worked with Dr. Neri Oxman's research team to develop a preliminary method for building scale 3D printing.
- Composed 30-page paper summarizing research, conducted financial life cycle analysis on developed method.
- Fabricated polyurethane molds using dual printing and milling bits on a six-axis robotic arm.
- Built a pressure vessel and tested wall sections with embedded rebar to determine blowout strength.

Hathaway Dinwiddie Construction Company, Los Angeles, CA

Summer 2011

Intern

- Assisted with construction management of USC Health Science Building.
- Provided daily client status updates, created punch list items with architect, verified change order pricing for construction engineers, organized safety recognition events for 100+ employees.
- Met and exceeded deadlines critical to project schedule and closeout.

LEADERSHIP EXPERIENCE

Thousand Oaks Youth Commission

2008-2011

School Liaison (2008-2010), Chair of Therapeutic Dance (2010-2011)

- Appointed by the Mayor, advised City Council on all matters concerning youth and community improvement.
- Worked with 50+ organizations to plan a prom for 150+ students with special needs.

Los Cerritos Middle School Mentoring Program

2009-2011

Founder, Program Lead

- Created a weekly after school program to help introverted and at-risk middle school students.
- Coordinated team-building and social development activities for 10 mentors and approx. 25 mentees.

ACTIVITIES

- **Alpha Chi Omega** Risk Representative, 2012- Present
- **MIT Physics Mechanics Tutor**, 2012-Present
- **Semiformal Planning Committee Co-Chair**, 2012-Present
- **MIT DanceTroupe** 2011-Present
- **Panhellenic Association** Publicity Chair, 2012- Present
- **MIT Orientation Leader** 2012

SELECTED HIGH SCHOOL AWARDS AND RECOGNITIONS

- **National Merit Scholar**, 2011
- **California Girls State Delegate**, 2010

SKILLS

- **Computer** MS Word, MS Excel, MS Powerpoint, SolidWorks, JAVA
- **Language** *Spanish:* Professional Fluency
- **Other** Machining, Team Management