

# LINDY LIGGETT

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## EDUCATION

### Massachusetts Institute of Technology

Cambridge, MA

SM Mechanical Engineering, 2014

GPA 4.9/5.0

James Dyson Foundation Fellow, Fall 2013

### University of Southern California

Los Angeles, CA

BS Mechanical Engineering, Minor: International Economics, 2009

GPA 3.7/4.0

Trustee Scholarship, Full Tuition Recipient

## WORK EXPERIENCE

### Hewlett-Packard

Vancouver, WA

Hardware/Design Engineer

February 2010-August 2011

- OfficeJet Pro 8600 series: owned fourteen parts in the carriage subsystem (sheet metal, plastic, and mylar); managed parts through two prototyping and testing phases to meet performance, assembly, environmental, and cost requirements
- DesignJet T520 Series: Designed new parts and assembly procedure for carriage positioning system that saved up to \$7 on large format series (24"-36" width) due to lower material cost
- Patent application filed March 2014 for Locking Mechanism associated with DJ T520.
- Created test scripts and flowcharts to identify root cause of carriage defects, speed up error debugging

## SELECTED ACADEMIC PROJECTS (full portfolio at: [www.lindyliggett.com](http://www.lindyliggett.com))

### 2.00b Toy Product Design, Instructor

Spring 2013

- Planned, wrote and presented lectures on product design process, innovation, brainstorming, selecting ideas, sketching, prototyping, estimation, graphic design, storyboarding with co-instructor
- Organized and presented weekend workshops on Illustrator and Vinyl cutting, Analog and Digital electronics (including Arduino), PCB Design and Fabrication

### Snap: Reconfigurable Furniture

Spring 2012

- Team used brainstorming, sketching, sketch modeling techniques around theme of eco-friendly office, chose reconfigurable office furniture that used four wooden pieces and a common joint

### Assistive Technology Spoon

Fall 2011

- Individual project with a client with tetraplegia who wanted to be able to eat soup
- Two week long design and prototyping cycles; delivered new prototypes each visit made from 3D printing, machining, and clay molding
- Final design used a counterweight and low friction materials to keep spoon upright at all hand positions

## SKILLS

**physical fabrication:** Machine shop proficiency; Laser Cutter, Vinyl Cutter, Thermoform, Roland Modela Desktop Mill, PCB Design and Fabrication, 3D Printing; Part Finishing

**expressing myself:** SolidWorks, CoCreate/Creo, EAGLE, Illustrator, Photoshop, InDesign, Final Cut Pro X

**talking to computers:** HTML, CSS, Javascript, PHP, Ruby/Rails, Git, Arduino/C