

Rachel (rfong) Fong

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<http://rfol.io>

<http://github.com/rfong>

WORK EXPERIENCE

Techstars, Independent contractor *Jan 2014–Apr 2014*

- Developer in residence during Techstars accelerator winter session.

Lattis, CTO *Oct 2013–Jan 2014*

- Product for data manipulation and organization aiming to create a more robust alternative to the spreadsheet paradigm.

Lengio, Software engineer *June 2013–Sept 2013*

- First hire. Generating ESL learning curriculum via NLP.

Bluefin Labs, Software engineer *June 2012–Jan 2013*

- Built a highly configurable, interactive charting package for exposing detailed relationships between TV ad airings and social media response.

MIT Media Lab, Undergraduate researcher *Feb 2012–May 2012*

- Researched speaker/topic identification on doctor-patient dialogue

Facebook, Software engineering intern *May–Aug 2011*

- Built demographic and social based search rank features into then-unreleased Facebook search engine backing Places

Monster.com, Software engineering intern *Jan 2011*

- Automatic related job query suggestion in Monster's 6Sense engine based on analysis of existing career path progressions

Endeca, Software engineering intern *Jun–Aug 2010*

Intra-corporeal Suturing Simulator *Jun–Sep 2007*

Intern at Stanford University

- Developed knot and collision detection, 3D models, graphics, and haptic interface for a laparoscopic computer surgical simulator

FIRST Robotics *Sep 2004–May 2008*

Team co-president and lead engineer

- Managed logistics of 60-person high school team
- Led mechanical design and fabrication of 120lb robots, including prototyping, CAD, load testing, CNC & manual machining

EDUCATION

Massachusetts Institute of Technology (2008–2012)

B.Sc. in Computer Science (GPA 3.8/5.0)

Activities – undergraduate admissions blogger, organizer for 2013 MIT Web Programming Competition (6.470), Technique, photo editor for The Tech, founding member of MIT Cube Club

INTERESTS

natural language processing, genuinely useful software, semantic search

SKILLS

Lean product / MVP development, UX, early-stage product generalist

C++/C, Python, Java, shell scripting, git, \LaTeX

Web: Ruby on Rails, Django, JS/HTML5/CSS3, server setup

Photography, 2D/digital illustration

PERSONAL PROJECTS

Asler.org; American Sign Language crowdsourced reverse dictionary

"Tagjam"; music arrangement sharing, discovery, and transposition

Automated satire recognition, using lexical features over a corpus of news articles

CNC milling visualizer & code generator

Mecanum drive system

Arduino driven LED wearables

AWARDS / RECOGNITIONS

1st place, 2012 MIT Web Programming Competition (6.470)

6th place, 2009 MIT Battlecode (6.370)

Top national tier, USACO 2008

Xerox Creativity Award, Davis Regional 2007, FIRST Robotics