

Rachel Fong (rfong)

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<http://rfong.github.io>

WORK EXPERIENCE

Locu/GoDaddy, Senior software engineer *Feb 2016–Apr 2016*
Software engineer *May 2014–Jan 2016*

- Worked on platform and APIs to automatically extract content from raw websites for website autogeneration and templating
- Built internal tools, auto data quality pipeline, and several products to improve listings propagation and site building

Techstars, Hackstar (W14 session) *Jan 2014–Apr 2014*

- Engineering & product consulting for 12 early stage startups
- Assisted in running Techstars accelerator program & Demo Day

Lattis, CTO *Oct 2013–Jan 2014*

- Spreadsheet-like web interface to portable RDBMS functionality

Lengio, Software engineer *June 2013–Sept 2013*

- First hire. Developed NLP backend to autogenerate contextual ESL learning curricula from user-uploaded documents.

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

- Built demographic & sentiment analytics product for social media responses to specific TV ad airings.

INTERNSHIPS

Facebook (2011) - Facebook Places search engine infrastructure

Monster.com (IAP 2011) - Automated related search suggestions

Endeca (2010) - SQL-like data filters in Endeca's MDEX engine

Stanford University (2007) - OpenGL laparoscopic suturing simulator; built knot detection, physics, 3D models, & haptic interface

EDUCATION

Massachusetts Institute of Technology (2008–2012)

B.Sc. in Computer Science

Activities – admissions blogger, The Tech, Technique, organizer for 2013 Web Programming Competition

Research – Clinical NLP - topic extraction and sentiment analysis (OMCS group), gradient 3D printers (Mediated Matter group)

ERRATA

MIT Admissions, Engineering Advisory Board *2014–present*
Educational Council *2014–present*

Always making. Enthusiastic about proofs of concept, code maintainability, reducing wasted time, and reverse engineering things I've never seen before.

SKILLS

Fast end-to-end prototyping, product generalist, abstracting data representations, modularizing architecture, NLP

Python, full-stack web (Django, Rails, Angular, React, JS/HTML/CSS, devops/deploy). Rusty: C++/C, Java

Photography, basic mechanical design / fabrication / rapid prototyping, event organization, illustration & design

FAVORITE PERSONAL PROJECTS

Daft Punk programmable LED visor

\$50 tabletop 3D scanner

American Sign Language crowdsourced reverse dictionary & community site

Lexical classifier for satire recognition

Toolpath visualizer / G-code generator desktop app for CNC milling

Mechanical design & full fabrication of a human-rideable mecatronics drive

RECOGNITIONS

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

2009 MIT Battlecode (6.370) - 6th place

USA Computing Olympiad 2007-08 year - Gold division, top 15 nationally

FIRST Robotics, Davis Regional 2007 - Xerox Creativity Award