Rachel Fong (rfong)

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http://rfol.io
http://github.com/rfong

Always learning/making. Enthusiastic about creating tools that facilitate productivity and reduce inefficiency.

WORK EXPERIENCE

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

- Platform and APIs to clean & automatically extract structured content from the web for website autogeneration & templating
- Building internal tools, automated data quality, and customer-facing products to improve business listings and websites

Techstars, Hackstar — *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*

- Product for portable layman web access to 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 custom charting package for in-depth analysis of social media responses to specific TV ad airings.

INTERNSHIPS

Facebook (2011) - Search metrics for Facebook Places engine

Monster.com (2011) - Automated related job search suggestion

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 (OMCS group), gradient 3D printer proof of concept (Mediated Matter group)

MISCELLANY

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

SKILLS

Full stack web: Django, Rails, devops, Angular, React, JS/HTML/CSS/etc

Python, Ruby, shell scripting
rusty: C++/C, Java

Fast end-to-end prototyping, early stage product generalist, UX/design

Photography, illustration, basic fabrication, event organization & branding

FAVORITE PERSONAL PROJECTS

Daft Punk LED visor

$50 tabletop 3D scanner

American Sign Language crowdsourced reverse dictionary & community site

Web app for sheet music transposition

Lexical classifier for satire recognition

Toolpath visualizer / G-code generator for tabletop CNC mills

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

AWARDS / 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