Rachel Fong (rfong)

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http://rfong.github.io

Always learning and making. Enthusiastic about proofs of concept, creating tools that eliminate wasted time, and code maintainability.

WORK EXPERIENCE

Locu/GoDaddy, Senior software engineer — *Feb 2016–Apr 2016*
Software engineer — *May 2014–Jan 2016*
- Platform and APIs to automatically extract and clean website content for website autogeneration and templating
- Built internal tools, auto data quality pipeline, and several customer-facing products to improve business listings and sites

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 charting and analytics for demographic & sentiment analysis of social media responses to specific TV ad airings.

INTERNSHIPS

Facebook (2011) - Metrics for Facebook Places search engine

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

ERRATA

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

SKILLS

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

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

Photography, basic fabrication & shop tools, event organization, illustration

FAVORITE PERSONAL PROJECTS

Daft Punk programmable 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

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