SHUAILI "CICI" LI

Engineering Researcher, Data Oriented Analytical Thinker, US Citizen

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EXPERIENCE

Research Assistant
Exponent Inc.

📅 Jun 2017 – Jun 2018 📍 Menlo Park, CA. USA

- Improved readability and efficiency of data parsing scripts, increasing performance speed by up to 10X.
- Assisted in developing accessible data QA/QC methods.
- Characterized hydrothermal degradation of materials.

Graduate Researcher
Massachusetts Institute of Technology

📅 Aug 2014 – Sep 2016 📍 Cambridge, MA. USA

- Modeled the biophysical transport of engineered protein hydrogels.
- Filtered, visualized, and fitted hundreds of megabytes of experimental laser scattering data.

Graduate Consulting Research Fellow
US Food and Drug Administration

📅 Jan 2016–Mar 2016 📍 Silver Spring, MD. USA

- As part of MIT team, streamlined regulatory science for continuous manufacturing via reduced models in MATLAB.

Graduate Consultant
Emirates Global Aluminium

📅 Oct 2015–Dec 2015 📍 Dubal and Emal Plants, UAE

- Led an MIT team of 3 in finite element modeling the heat recovery steam generator for optimized operations.

Research Intern
Scanadu Inc.

📅 Feb 2014–May 2014 📍 NASA Ames, CA. USA

- Perform UX QC/testing via JIRA of biomedical device app.
- Aid in verification and validation for 510K application.

Student Intern
Lawrence Livermore National Laboratory

📅 Jun 2012–Aug 2012 📍 Livermore, CA. USA

- Characterized failure points of ultra-thin polymer films and correlated exceptional trends with entanglement theory.

EDUCATION

M.S. in Chemical Engineering Practice
Massachusetts Institute of Technology

📅 Sep 2014 – Jun 2016

B.S. in Chemical Engineering
California Institute of Technology

📅 Sep 2009 – Jun 2013

Chemical Engineering Tripos
Cambridge University Corpus Christi College

📅 Michaelmas Term, 2012

Caltech Cambridge Scholar
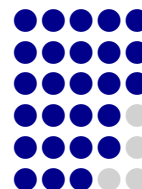
LANGUAGES/ TOOLS

Mandarin ●●●●●
Python ●●●●●
MATLAB ●●●●●
SQL ●●●●○
Tableau ●●●●○
R ●●●○○

MOST PROUD OF

Grit & Persistence
I love the challenge of doing what others say cannot be done

Personal Growth
Self-directed learning through various online courses

Women in Tech
Project exploring and involvement focusing on women and STEM

Global Awareness
Have traveled independently to 39 countries and counting

PHILOSOPHY

"Everything is interesting if you go into it deeply enough."