SHUAILI "CICI" LI

Data Oriented Analytical Thinker, Scientist, Engineer, 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
- Co-developed 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, cloned, expressed and purified
- Filtered, visualized, and fitted 100s of megabytes of experimental laser scattering data

Graduate Consulting Research Fellow
US Food and Drug Administration

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

- Streamlined regulatory science for continuous manufacturing via reduced models in MATLAB as part of MIT team

Graduate Consultant
Emirates Global Aluminium

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

- Managed and led an MIT team in finite element modeling the heat recovery steam generator for optimized operations

Research Intern
Scanadu Inc.

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

- Performed UX QC/testing via JIRA of biomedical device app
- Aided in verification and validation for FDA 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

Fellow/ Program Graduate
The Data Incubator

📅 Jun 2018 – Aug 2018

Bootcamp-style program that helps top academic talent transition to data science

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

Emphasis in Material Science, with Honors

Chemical Engineering Tripos
Cambridge University Corpus Christi College

📅 Michaelmas Term, 2012

Caltech Cambridge Scholar

LANGUAGES/ TOOLS

Python: NumPy, SciPy, pandas, scikit-learn
MATLAB **SQL** **Machine Learning** R
Tableau **Optimization** **Probability**
Hypothesis Testing **Bayesian Statistics**
NLP Spark MapReduce Heroku
TensorFlow Git Unix **JuPyTer**
Microsoft Office **Mandarin Chinese**

MOST PROUD OF

⊕ **Student Athlete**
Caltech Women Intercollegiate Tennis (NCAA Div III) and MIT Rowing Club

🌐 **Global Awareness**
Have traveled independently to over 40 countries and counting