

Yulan Lin

DATA · CODE

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Skills

Data Analytics and Visualization	Natural language processing (NLP), pandas, nltk, sklearn, Flask, d3.js, R, cloud computing
Programming	Python, R, HTML/CSS, Javascript, LaTeX
Research	Chemistry, Bioinformatics, Clinical research
Languages	English, Mandarin (Intermediate), Spanish (Beginner)

Work Experience

Valador, Inc. (supporting NASA Office of the Chief Information Officer)

Houston, TX

DATA ANALYST

Mar. 2017 - Present

- Prototype and deliver data analytics and visualization products ranging from regression models to natural language processing
- Give presentations and talks to further agency-wide knowledge-sharing and capabilities
- Consult with teams across the agency to provide guidance on data analytics, machine learning, visualization, and data management
- Co-supervise interns and manage a center-wide collaboration space

SELECTED PROJECTS

- Developed an internal domain classifier and concept extraction microservice (Python)
- Created regression models for human capital data (R)
- Created data visualizations of NASA mission metadata (d3.js)
- Gamified facilities planning and budgeting process (Javascript)
- Supervised interns to develop "smart workplace" analytics prototypes (Raspberry Pi, cloud computing, Flask microservices)

Intervarsity Christian Fellowship/USA

Madison, WI

URBANA REGISTRATION ANALYST

May 2015 - Feb. 2016

- Designed and distributed reports and audits for a conference with 16,000 registrants
- Used SQL scripts and vba macros to streamline and automate report analysis and distribution
- Managed and tracked over \$800,000 in discount and scholarship distribution
- Provided data-driven recommendations for shift-scheduling and other decisions
- Trained and managed a team of technical solutions volunteers on-site

City of Hope Comprehensive Care Center

Duarte, CA

CLINICAL RESEARCH INTERNSHIP

Oct. 2014 - Apr. 2015

- Managed data collection/curation from electronic health records systems.
- Assisted with data analysis, interpretation, and manuscript preparation

California Institute of Technology

Pasadena, CA

RESEARCH TECHNICIAN

Oct. 2013 - Jun. 2014

- Designed and implemented experimental cell culture protocols
- Created a data analysis pipeline for high-throughput RNA-seq data (Python, bash, and R)

Selected Recent Presentations

JSC Data Science Day

Johnson Space Center (Houston, TX)

SPEAKER

Apr. 2017

- Presented on my work developing a NASA-internal domain classification and concept extraction service

NASA Agency Innovation Day

Johnson Space Center (Houston, TX)

PANEL PARTICIPANT

Nov. 2016

- Participated on a panel about innovation and collaboration at Johnson Space Center

Education

California State University, Los Angeles

Los Angeles, CA, USA

B.S. CHEMISTRY, MAGNA CUM LAUDE

June 2009 - June 2014

- Inaugural recipient of the CSULA Honors College Edison Scholarship