

# Francis Lin

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## SUMMARY

DevOps Engineer with hands-on experience building, automating, deploying, and optimizing applications for data scientists analyzing clinical trial studies. Proficient in developing CI/CD pipelines, supporting cloud infrastructure on AWS, and new technology exploration. Seeking roles situated at the intersection of health and data science where I can contribute my analytical background and problem-solving skills to interpret data in meaningful ways to develop life-changing healthcare solutions.

## PROFESSIONAL EXPERIENCE

**Amgen: Research & Development Information Systems - DevOps Engineer** Aug 2018 - Present

### *Supporting the Center for Design and Analysis*

- Implemented cutting-edge technology solutions in Agile manner to create data lake for clinical trials
- Improved user experience by integrating Tableau dashboard with internal search application
- Utilized ELK stack to monitor data ingestion processes and health of 30+ cloud servers
- Led exploration of migrating clinical data lake platform to Kubernetes

### *Continuous Integration and Development*

- Managed CI/CD strategies for automated configuration and deployment in multiple environments
- Built, maintained, and enhanced team's first 8 CI/CD pipelines, reducing error in deployments by 80%

### *pkgr Integration*

- Defined specifications for development of pkgr, a novel third-party R package management tool
- Communicated bugs, integration requirements, and feature requests with outside vendor
- Integrated pkgr tool into existing data science platform, resulting in reproducible builds and 40% reduction in build time

**Amgen: Global Commercial Operations Information Systems - Intern** Jun 2017 - Sep 2017

- Supported and helped facilitate cloud transformation of 150+ external Amgen websites
- Uncovered issue affecting 60+ external websites and helped team run urgent reports to quantify impact
- Provided guidance to interdepartmental parties for cloud service selection and file/content organization
- Prototyped SME-finding chatbot using AWS Lex, placing 1<sup>st</sup> in Amgen IS Intern Chatbot Challenge

**UCLA Department of Medicine Statistics Core: Student Statistician** Oct 2017 - Mar 2018

- Assisted Principal and Senior Statisticians in data analysis for medical research and clinical trials
- Developed REDCap databases and generated summary statistics using R, SAS, Excel

## EDUCATION

University of California, Los Angeles (UCLA)  
B.S. Bioengineering (Tech. Breadth: Computer Science)

Graduated: June 2018  
GPA: 3.6

## SKILLS

Relevant: Python | R | AWS | Git | Ansible | GitLab CI | Docker | ELK stack | Kubernetes  
Other: C++ | C# | Unity | AutoCAD | HTML