

# Stephanie Huang

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## Work Experience

Languages/Libraries: GoLang, Javascript, Python, Bash, SQL, ReactJS, Redux

Technologies: Docker, Kubernetes, Terraform, Github, Jenkins, GCP, NATS, ElasticSearch

Concepts: Domain Driven Design, Event Sourcing, Microservices, Microfrontends, RPC, REST, Pub/Sub

### Analyst/Programmer Level I

Jan 2019 - Mar 2021

### Analyst/Programmer Level II

Present

Department of Biomedical & Health Informatics, *Children's Hospital of Philadelphia*

I work on the Applications Development team to create & deploy software and applications for Arcus, a platform that helps researchers discover, link, and analyze clinical and biological data.

- Follow the Domain Driven Design approach to create applications including a large-scale metadata management platform for multi-terabyte datasets stored on Google's Cloud Platform (GCP) buckets
- Help define and maintain gRPC APIs for microservices that hook into our main Web App Client
- Add new features to, maintain and deploy React/Redux based Web App Client
- Define and deploy ETL pipelines to update metadata schemas and/or Postgres databases
- Containerize continuous integration and deployment workflows so they are automated and reproducible via Docker, Github Actions and Kubernetes
- Serve as Technical Lead for several projects and mentor junior colleagues

### Student Programmer

Nov 2017- Dec 2018

Department of Biomedical & Health Informatics, *Children's Hospital of Philadelphia*

I worked with the diversely talented Enterprise Informatics Group on the Biorepository Toolkit, an honest brokered web-application for longitudinal biospecimen and clinical data collection.

- Updated Django and Python libraries to latest major versions
- Added new feature for users which included updating RESTful API
- Updated frontend using React/Redux
- Provided user support and addressed user errors

### Data Policy Fellow

Jan 2016 - Oct 2016

Center for Open Data Enterprise

I worked alongside a self-motivated team to write a 70 page Transition Report on Open Data addressed to the Presidential transition team of the next Administration. The report outlined actionable recommendations to support open data policies and programs in government.

- Coordinated the White House Interagency Roundtables on Open Data as it relates to privacy, quality, research and public and private collaborations
- Created content for the [Open Data Transition Report](#), an open data guide for the Administration's first 100 days

## Education

Georgetown University, December 2018

Bachelor of Science in Global Health

Minor in Computer Science

## Volunteer

iSTEM Volunteer 2018-2020

iSTEM Officer 2020-2021