

SHARON R. KUO

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EXPERIENCE

Software Engineer

Software Engineer
Associate Software Engineer

April 2016 – present
March 2018 – present
April 2016 – March 2018

AbbVie Stemcentrx, South San Francisco, CA

- Full stack web development of applications for over 250 research scientists, using Groovy/Grails, Ruby on Rails, JavaScript, and MySQL. Projects included a laboratory information management system (LIMS) for data collection/reporting and task tracking.
- Implemented a set of core workflows for *in vivo* research, saving hundreds of hours of scientist time per week.
- Overhauled a system for request and status tracking of internal biological reagent deliverables.
- Designed and implemented a task scheduling and assignment system for research scientists, including a workload visualization and balancing tool.
- Interacted directly with end users and stakeholders, leading requirement gathering and scoping, and integrating feedback.
- Reported bugs, fixed issues, and performed maintenance across multiple internal web applications.

Research Associate

December 2013 – January 2015

Pathway Genomics Corporation, San Diego, CA

- Performed DNA library preparation and sequencing on the Illumina MiSeq platform.
- Performed array comparative genomic hybridization on the Agilent microarray platform.
- Performed DNA genotyping, sequencing, and data analysis using Sanger sequencing.
- Optimized sample preparation process by consolidating DNA isolation processes and reducing processing time by half.

EDUCATION

Bachelor of Science in Computer Science

March 2016

Oregon State University, Corvallis, OR
GPA: 3.98

Bachelor of Science in Biology, with Honors

June 2012

California Institute of Technology, Pasadena, CA

TECHNICAL SKILLS AND LANGUAGES

Groovy and Grails	Ruby on Rails
C, C++, and Java	Python
JavaScript (Node.js, jQuery, Backbone.js, D3.js, and Vue.js)	HTML and CSS
Relational databases (MySQL)	Amazon Web Services (EC2)
Google App Engine	Version control (Git)
JetBrains tool suite (IntelliJ IDEA, RubyMine, WebStorm, YouTrack, and Upsource)	Usability engineering and design
Adobe Photoshop, Illustrator, and InDesign	Scientific/technical writing