

# BRIAN TRAN

SOFTWARE ENGINEER

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🔗 EXOBRIAN

## EDUCATION

CALIFORNIA STATE POLYTECHNIC  
UNIVERSITY, POMONA

B.S. IN APPLIED MATHEMATICS

09/2013 - 03/2016

3.88

## FRONTEND

### BEGINNER

HTML

CSS

FLEX

## BACKEND

### INTERMEDIATE

JAVA

SPRING

REST API

PYTHON

MSSQL

MYSQL

RDBMS

JAVASCRIPT

## OTHER

### INTERMEDIATE

GIT

DOCKER

R

SOAP

REST

POSTMAN

XML

JSON

LINUX

JIRA

WSDL

YAML

STATISTICS

MATHEMATICAL MODELING

FORECASTING

## SUMMARY

Experienced Actuarial Analyst with 6+ years background in all aspects of the Software Development Life Cycle; from developing automated analytical reports for executives to implementing, testing, and deployment of code. Proficient in a wide variety of programs and tools to deliver scaleable and reusable applications that provide meaningful and accurate results that also tell a story. Loves to think outside the box and seeks a challenge.

## EXPERIENCE

06/2016 - PRESENT

### INTERMEDIATE ACTUARIAL ANALYST

Quoting more than \$3.5 billion annually, ICW Group Insurance Companies is the largest privately held insurance company domiciled in California. I develop and maintain the logic for pricing our workers compensation line and work closely with various departments such as DevOps, DBA, and Underwriting to ensure timely and accurate production releases. I also conduct various analyses to ensure our rates are fair and reflect the latest trends. I have built several applications to automate much of my department's tasks and to facilitate handling large amounts of data using various languages such as Java, Python, R, SQL, VBA, Batch scripts, etc. I'm also currently developing for our XML and Excel based pricing API, building out JSON test cases for our QA work using Postman, assisting our development team in porting existing code from various languages to Java, debugging and implementing fixes for our nightly SQL ETL pipelines, and a host of other responsibilities.

- Design and build ETL application in VBA using Factory and Reflection Patterns to process over 30 excel tables of varying dimensions and locations for upload to a normalized SQL database
- Rebuild SQL ETL stored procedure to random sample warehouse data up to a specified size to reduce individual data pulls from an iterative 21 pull process down to a single pull
- Automate data cleaning, uploading, and manipulation tasks using VBA, R, SQL, and Python
- Debug SQL ETL pipelines with over 15,000 lines of code
- Pair-program with other Java developers to build pricing webservice API using Springboot
- Conduct actuarial analyses on loss forecasting, credibility weighting, territorial segmentation, and other studies to offer competitive prices
- Design JSON test samples for testing webservices using Postman
- Work with end users on defining SRS for new features
- Train new and rotational staff on writing clean, reusable, and scaleable code

## AWARDS

### ELEVATE AWARD

ICW GROUP

The Elevate Award is a prestigious award provided to ICW Group Team Members who exemplify the core values of the organization and go above and beyond their roles and responsibilities.

# INTERESTS

- COOKING
- GUITARS
- PHOTOGRAPHY
- ARNOLD SCHWARZENEGGER