

## Objective

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Highly-skilled software development professional bringing 2 years in application design, development and integration. Proficient in PHP and MySQL web development, Familiar with mainstream programming languages, for example, Java, Python and JavaScript.

## Skills

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### Web Development

PHP (MVC Framework, Security)  
JavaScript (jQuery, AngularJS)  
HTML, CSS, SASS

### Programming Skills

Java, Python, R, SAS  
Database (MySQL, SQLite, Redis)  
Linux (CentOS 7, Fedora, Red Hat)

### Personality

Troubleshooting & debugging  
Exceptional time management  
Performance & scalability optimization

## Work Experience

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### SOFTWARE ENGINEER (WEB APPLICATION) – BioInfoRx, Inc. – San Diego, CA – 09/2015 - Present

- Built, tested and deployed scalable, highly available and modular web applications.
- Collaborated with developers and performance engineers to enhance supportability and identify performance bottlenecks.
- Designed new product elements such as advanced search tool, RNA-Sequencing analysis pipeline.
- Implemented innovative systems for data collection, storage and management of customer orders.
- Coded over 10 websites & applications using PHP, HTML, CSS and JavaScript.

### SOFTWARE ENGINEER INTERN – BioInfoRx, Inc. – San Diego, CA – 11/2014 – 09/2015

- Maintained existing applications and designed & delivered new applications.
- Modified software to correct errors, adapt to new hardware and improve performance.
- Implement process management system and some others tools using PHP & JavaScript.

### STATISTICIAN INTERN – UCSD Medical Center – San Diego, CA – 03/2014 – 11/2014

- Built and selected statistical models to evaluate program outcomes via organizing data, designing model and testing model in R.
- Participated in multiple projects to provide statistical consulting services to clients.

## Selected Projects

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### BXGENOMICS ANALYSIS PIPELINE 08/2016

- Worked with bioinformatics scientists and developed the RNA-Sequencing data analysis pipeline.
- Project-based analysis tool with real-time process management. Extensive data mining with online database.
- Customers for the system include DxTerity, University of Wisconsin, Madison and Pfizer Inc.

### OLIGO ORDER & MANAGEMENT SYSTEM (CDC, FEDERAL AGENCY) 06/2016

- Order submission and management system with lots of different roles and permissions.
- Multiple tools implemented, for example, advanced search tool, smart dynamic loading table with togglable columns.

### HIGH-FREQUENCY STOCK AUTO-TRADER (SD HACKTHON FIRST PRIZE) 01/2016

- Built a web application to allow users to automatically buy and sell stocks with high frequency.
- Used ARMA-GARCH time series model to predict stock price. Low complexity of algorithm enabled minimum delay in prediction.

## Education

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### MASTER IN COMPUTATIONAL MATHEMATICS (GPA 3.9)

University of California, San Diego – San Diego, CA 2012-2014

### BACHELOR IN MATHEMATICS

Hunan University – Changsha, China 2008-2012