

# Stephen Kin-Man Ng

PROGRAMMER ANALYST

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## Skills

**Programming** Java, Groovy, PHP, Javascript, TypeScript, Python, C, C++, C#, VB.NET, SQL, HTML, CSS, Bash,  $\LaTeX$   
**Web** Grails, Laravel, Angular, jQuery  
**Databases** MySQL, Access, SQLite, MS SQL server, MongoDB  
**Servers** Linux, Window Server, AWS, Docker

## Education

### University of California, Los Angeles

Los Angeles, CA USA

M.S. IN COMPUTER SCIENCE

2004

- GPA 3.8

### University of California, Los Angeles

Los Angeles, CA USA

M.S. IN PHYSICS

2001

- GPA 3.8

### Chinese University of Hong Kong

Hong Kong, Hong Kong

M.S. IN PHYSICS

1997

- GPA 3.8

### Chinese University of Hong Kong

Hong Kong, Hong Kong

B.S. IN PHYSICS

1995

- GPA 3.7

## Work Experience

### Department of Radiological Sciences, UCLA

Los Angeles, CA USA

PROGRAMMER/ANALYST III

Dec 2015 - Present

- Design and Development Web-based Application to generate structured and comprehensive reports of faculty academic productivity by integrating multiple data sources. The application is developed using Java/Grails environment with Spring Framework
- Design and Development Web-based Application to accept and monitor clinical trials requests to the department. The application is developed using PHP/MySQL environment with Laravel Framework

### School of Engineering Distance Learning Network, USC

Los Angeles, CA USA

PROGRAMMER/ANALYST III

Dec 2012 - Dec 2015

- Design and Develop online learning environment using PHP with Oracle backend
- Design and Develop administration tools

### Dept of Medicine, UCLA Medical Center

Los Angeles, CA USA

SR. INFORMATION TECHNOLOGY SPECIALIST

Sep 2009 - Dec 2012

- Design and Develop patient medical records and data collection system for the Dept. of Medicine (DOM) outpatient program, as well as the hospital's internal medicine and urgent care facilities
- Manage all web-based systems for DOM Education Office to meet various departmental needs
- Design and develop a web-based, HIPPA compliant physician note system that readily permits exchange of information between primary physicians, consultants and other care providers, as well as rapid recoding of necessary data for record-keeping
- Support, maintain and expand existing medical reminder system to tract therapies, needed diagnostic studies, follow-ups, appointment, etc for monitoring of patient's care processes
- Create and develop a secure online patient-physician email based corresponding and prescription system
- Perform ongoing project development and site maintenance functions for various DOM websites

## **Dept of Medicine, UCLA Medical Center**

*Los Angeles, CA USA*

PROGRAMMER/ANALYST II

*Jun 2003 - Sep 2009*

- Designed, Developed and Maintained Web solution for the Department of Medicine
- Developed Enterprise Patient Record and Preventive Screening Reminder (Expert) System (Outpatient Signout) with connection to MCCA web services
- Designed and maintained Website for Department of Medicine (Housestaff and Schedules)
- Constructed and Designed the Website portal for Dept. of Medicine
- Constructed multi-hosts testing environment using SME server (customized Red Hat 7.3 Linux server)
- Developed and maintained various websites in the Department of Medicine including Office of Research Administration Website