

# Mathew Liew

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[www.MathewLiew.com](http://www.MathewLiew.com) ~ [www.github.com/mliew21396](https://www.github.com/mliew21396)

## SKILLS SUMMARY

SQA Tools & Best Practices  
Project Management  
Functional Requirements  
Mentoring  
Team Building

Acceptance & Negative Testing  
Regression Testing  
UI/UX & Compatibility Testing  
Performance/Load/Stress Testing  
Isolation/Unit Testing

Design Review  
QA & QC Standards  
Test Plans, Cases & Processes  
Defect/Bug Tracking  
Issue Identification & Documentation

## PROFESSIONAL EXPERIENCE

**Epic Systems** --- *Quality Assurance Analyst*; Madison, WI

September 2012 – Present

*Verified features and functionality of top-tier healthcare software*

- Prioritized and set timelines for all application developments including customer-escalated enhancements and complicated dependency trees
- Managed software development team to involve QA earlier in the development cycle to resolve bugs faster and in fewer iterations, leading to a **20%** increase in identified bugs
- Led three projects resulting in high customer commendation during the 2014 annual all-customer conference
- Identified root causes of key issues
  - Tested Affordable Care Act developments to ensure healthcare organizations met federal regulations
  - Pinpointed previously undiscovered flaws in a new international interoperability standard, the first global standard of its kind
  - Identified the root cause of an intermittent interoperability glitch, preventing defective software from reaching live customers
- Documented software defects using a bug tracking system and created solutions with the developers
- Delivered thorough QA testing reports that determined product quality and release readiness

**Yun Wang Lab at Northwestern University** --- *Research Assistant*; Evanston, IL

February 2010 – June 2012

- **Third author** on research publications; Current Biology - Dec '15
- Presented research poster on our lab's discovery of new "antibiotics" at the American Society of Microbiology Conference in New Orleans 2011
- Conducted microbiology research to investigate roles of redox-active compounds as new antibiotics
- Developed nine imaging and extraction techniques for the analysis/characterization of both known and unknown antibiotics

## PROJECTS AND TECHNICAL EXPERIENCE

*Full portfolio can be found on personal site or GitHub repository*

### Automated Testing with C# and Selenium

- Created custom framework to unit test website, focusing on separation of business logic and developer code
- Ran browser tests compatibility for IE, Firefox, and Chrome using Selenium

### Madison-Area Bank Locator

- Developed a Madison bank finder using Google Maps API to pinpoint locations near given zip codes in PHP/MySQL
- Ran MySQL queries to test integrity of databases

### Jenkins Continuous Integration Server

- Configured and maintained nightly batch jobs of unit tests hosted in Visual Studio
- Utilized MS Test reporting to monitor test results and identify objects that are prone to breaking

## EDUCATION

**Northwestern University** --- Evanston, IL

*Bachelor of Arts Biological Sciences*, June 2012

## LANGUAGES AND TECHNOLOGIES

**Tools/Languages:** VMWare, TraceViewer, Notepad++, Sublime 3, Oxygen, Browsers (IE, Chrome, FireFox), Selenium, Jenkins, Visual Studio; SQL, XML, JSON, HTML/CSS, HTTP, familiar with PHP and JS