

# Adam K Chew

New York, NY

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## TECHNICAL EXPERTISE

**Programming Languages** – Java, Scala, C++, C, JavaScript, SASS & LESS, HTML5, CSS3

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## EDUCATION

### New York Institute of Technology

May 2012

- ❖ Bachelor of Science: Computer Science
- ❖ Honor Society: Upsilon Pi Epsilon (UPE)

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## EMPLOYMENT HISTORY

### Siteworx – Software Engineer

August 2012 – Present

- ❖ Consult with clients on system architecture and train software engineers on the Adobe CQ5 platform
- ❖ Integrate Bluetooth LE with marketing applications for analytics and targeting users
- ❖ Introduced new development practices using modern technology such as AngularJS and Play Framework

### UNDP – Contract Software Engineer

November 2013 – March 2014

- ❖ Developed a customized blog with aggregated search functionality with Apache Sling with aggregated result page
- ❖ Integrated MailChimp with Adobe CQ5 for handling newsletters and managing email subscriptions
- ❖ Implemented responsive email template to handle major email clients with a workflow process

### Citrix – Contract Software Engineer

January 2013 – November 2013

- ❖ Architect digital asset storage with customizable queries with aggregated search/result functionality
- ❖ Integrate Brightcove video media platform with Adobe CQ5 web CMS platform
- ❖ Launched multiple websites: GoToMeeting, GoToWebinar, GoToMyPC and OpenVoice
- ❖ Extended Adobe CQ5 ExtJS implementation for reusability and decreasing development time
- ❖ Designed SEO friendly architecture for aggregated pages and ensure REST pages are cache on the publish instances

### AARP – Contract Software Engineer

August 2012 – January 2013

- ❖ Implemented responsive custom web CMS with J2EE, MySQL, Hibernate and Struts2
- ❖ Architected form validation using i18n properties file to manage the regex validation string which are consumed by both frontend and backend to keep validation consistency
- ❖ Designed database schema to handle multiple components and managed in an optimized relational database

### NYIT Jackpot Autonomous Drone Project – Lead Software Engineer

January 2012 – May 2012

- ❖ Built tank driven drone with Arduino controller with mechanical swerving IR sensors with built Bluetooth adapter
- ❖ Developed an Android application to react with the incoming IR sensors via Bluetooth and communicating with an external database for analytical statistic
- ❖ Abstracted the application to handle the ability to daisy chain commands with another Android device using via XMPP or SMS
- ❖ Rendered a 3D map of the area where the drone has traveled using OpenGL and highlighting locations using the photosensitivity sensor built on the Android device
- ❖ Defined dictionary taxonomy to understand voice recognition which will communicate with Drone via Bluetooth
- ❖ Solved the arithmetic for handling position of robot and rotation using GPS, gyroscope, and acceleration API

### Movie Grub – Lead Software Engineer

June 2011 – July 2012

- ❖ Developed a mobile application that can provide consumers the ability to purchase condiments in theaters
- ❖ Designed a updating process system using HTML5 Websockets to notify the consumer of their order status
- ❖ Integrated Facebook, Twitter and PayPal for authentication and payment management
- ❖ Gathered information from user's polls to provide precise statistics for other business from data mining
- ❖ Assimilate dynamic GPS algorithm to retrieve movie location quicker, converting the result in correct metric and displaying output in ascending order base by distance range
- ❖ Theater location is stored locally on the device for quicker access using SQLite with a time to live cache logic
- ❖ Integrated mobile chat room with employees and consumers to gain better rating satisfaction for managers
- ❖ Designed layouts and animations with Android SDK layout management API
- ❖ Created a search algorithm to find the best matching result from a MySQL database based on GPS coordinates

### NYIT Takadi Costume Rental – Lead Software Engineer

January 2011 – June 2011

- ❖ Developed Java GUI Program for a costume rental company converting labor work into a database system
- ❖ Displayed inserted and updated MySQL database with Java and JDBC
- ❖ Worked with Java swing and AWT package to display and format Java GUI
- ❖ Introduced SQL schema for the inventory, customer, and invoice relations in database