**Weiyan ( Willy ) Ci (617)606-3437 |** **WillyCi@Gmail.com** **| Natick, MA 01760**

[**https://Resume.WillyCi.com/**](https://resume.willyci.com/) **| Portfolio** [**https://flexcode.org/**](https://www.flexcode.org/) **| YouTube** [**playlist link**](https://www.youtube.com/watch?v=-izd669cfbw&list=PLW1wIkGok4VWnVw8fLzS2GnrbC1wudqfM)

***Bring imagination to life. Understand the clients' need, create a suitable solution for them, listen to the end users, and help fix their daily problem.***

**Summary of Qualifications**

Over 20 years of software development experience, rang from enterprise application to personalized web app, mobile app to VR/AR tools, using variety of technologies, JavaScript, HTML, CSS, Angular JS, Actionscript, C#, C++, Java, SQL. Weiyan is always learning, adapting.

**Education**

**University of Massachusetts Amherst - Amherst, MA Sept 1996 - May 2001**

Bachelor of Science, Computer Science, (100% self-finance)

**Computer Skills**

**Operating System:** Linux, Unix, Windows, Mac OS X

**Programming:** HTML, CSS, Javascript, React, Vue, Angular, Java, JSP, C#, C++, C, Pascal, Basic, SQL.

**Experience and Accomplishments**

**Feb 2019 Guest Speaker** at Society for Simulation in Healthcare conference (IMSH) 2019, San Antonio

* Pre-Surgical planning in VR with DICOM

**June 2018 Guest Speaker** for Visual Studio live Las Vegas 2018

* Cognitive Services, AI chat bot ( C#, Azure )

**March 2018 Guest Speaker** for Visual Studio live Boston 2018

* AI chat bot ( C#, Azure )

**July 2018 Cortana AI Chat Assistant**

* Create a Cortana AI chat assistant in Azure, help the user create request ticket, also handle people search and helpdesk questions. ( C#, Azure )

**Nov 2018 Web Based Voice Assistant**

* No backend needed, can help the user create request ticket, also handle people search and helpdesk questions. ( Javascript, XML, Azure, Cosmos DB )

**June 2017 Alexa Intelligent Voice Assistant**

* Created an Alexa intelligent voice assistant, help people search through huge medical school researcher database, able to handle daily helpdesk questions. ( AWS, Javascript, XML )

**June 2017 Winner of Boston Holohack** by Microsoft 2017

* Create 3D model in AR using medical images in real time ( Hololens, C#, webGL )

**July 2016 Build 3D printer**

* Build working 3D printer using junk found in office. ( Arduino, C++, SLA )

**Feb 2014** **Angular Applications**, Online Storyboard Editor

* Mini CMS create a storyboard, export data to XML format, save to DB. ( Javascript, AngularJS, HTML, CSS, XML, mySQL )

**May 2012 Patents**

* US20130076726 Confirming Compliance with a Configuration. [Link](https://patents.google.com/patent/US20130076726)

**Boston Children's Hospital** ( Boston, MA )  **Jan 2021-Present**

**Senior Front-end Development Engineer:**

* Modernize front-end development, introduce new front-end frameworks React and Vue ( React )
* Build reusable components using React and Vue. ( React, Javascript )
* Create core style sheet for all new web app projects. ( CSS )
* Upgrade older apps to new web standards. ( mobile first )
* Develop a React Components library for use in all new web app projects. ( NPM )
* Train team members on the latest technologies. ( wiki, jira )

**Hitachi Vantara** ( Waltham, MA )  **May 2019-Dec 2020**

**Senior Front-end Development Engineer:**

* Working on Hitachi Content Intelligent (HCI) solution, build enterprise-level robust and secure UI components. ( AngularJS)
* Join company-wide International UI team, build reusable UI components using ReactJS, used by every Hitachi products. (ReactJS)
* Winner of Hackathon VIII with Platinum $1,000 award, compete with 20 other teams, Indoor Smart Phone Navigation app ( Javascript )
* Migrate HCI to Kubernetes, Easticsearch, Fluentd, Kafka ( yaml, docker )

**UMass Medical School** ( Worcester, MA )  **August 2014 - May 2019**

**Senior Front-end Developer:**

* Create single page web app for school events, (jQuery, HTML, CSS)
* Searchable large dataset, filter base on business rule ( list.js, jQuery, CSS, Google Sheet API )
* Data driver faculty listing ( list.js, jQuery, CSS, Google Sheet API )
* Virtual tours for school, labs ( webVR, 360 image )
* Create 3D VR body reconstruction surgery game for medical school ( C#, Unity3D, VS, Blender )
* AI Voice assistance ( Alexa, Cortana, Azure, Cosmos DB, HTML5 Speech Recognition API )
* Create and support in house 3D printing lab,create/design medical device and body model

**Scrum master**: After scrum master left, Weiyan start running the daily standup meeting, solve problems between team members and other team, ensures the definition of done. ( MS TFS, MS Planner )

**Product owner**: After PO of the team left, Weiyan step up took the responsibility, meet with client, gathering requirements, planning and prioritizing projects. ( MS Planner )

**Advanced Practice Strategies, Inc.** ( Boston, MA ) **Aug 2012 - Aug 2014**

**Senior UI/UX Designer, Interaction Developer**

* Create and design the best medical learning method for doctors and nurses earn certification. ( jQuery, CSS, HTML)
* Create online interactive teaching method, and online assessment. ( HTML, CSS, JavaScript, asp, mySQL)
* Coordinator, close the gap between content team and engineer team, developed and delivered Gnosis, a SaaS eLearning platform for doctors and nurses throughout the US. ( JIRA )
* Create jQuery plugin for widgets using thought out the entire Gnosis application, cross browser compatible design, IE7 to iPad. ( JavaScript, jQuery )
* Mini CMS, export data to XML format ( JavaScript, AngularJS, HTML, CSS, XML )

**RBM Technologies Inc.** ( Cambridge, MA )  **Jan 2008 - Aug 2012**

**Adobe Flex Senior UI Developer / Consultant**

* Web Based retail merchandising process management tool ( Flex, ActionScript )
* Design and developed next generation [planogram](http://en.wikipedia.org/wiki/Planogram) and fixture placement designing tool, data driven UI, fully translatable web UI ( Flex, ActionScript, XML )
* Create Visual Merchandising Manager (VMM) mobile using Adobe AIR. ( Flex, ActionScript )
* Design and developed real time 3D floor plan designer with augmented reality technology ( Paperversion 3D, ActionScript )
* Using haXe and AIR I created app can generator fixture files in swf, svg, and png formats. ( HaXe, ActionScript, swf, svg, png )

**Centive Inc.** ( Waltham, MA )  **May 2006 - Jan 2008**

**Sr. UI Software Engineer**

* Create web based technology solution for automating compensation management ( ActionScript, Flex )
* Migration Flex 1.5 to 2.0, ActionScript 2 to 3. ( ActionScript )
* Work with mid-tier Java developers, connect EJB Weblogic to the front end. ( Java, ActionScript )
* Help with project plan and production maintenance.

**IBM Inc.**  ( New England Area )  **June 2001 - 2006**

**Software Engineer, Services Professional**

In the e-business Integration, Enterprise Application Development Practice. The practice is responsible for providing project management, integration services, and e-business solutions to area businesses.

**Web site focused projects:**

* American Express website ( HTML, ASP, CSS )
* Allstate Insurance Company website ( HTML, JSP, Flash, CSS )
* Sales presentation for American Express (Flash, ActionScript )
* Aetna Insurance Company website ( HTML, JSP, CSS )
* IBM W3 Bluepage ( HTML, CSS )
* Regulatory Data Corp. website ( HTML, JavaScript, CGI )
* Altria Group website ( HTML, ASP, XML, CSS )

**Multimedia Focused Projects:**

* Short movie for American Express ( Adobe Premiere, After Effect, Photoshop )
* 3D CG movie for children ( RayDream Studio, Infinite-D, Adobe Premiere, After Effect, Photoshop )

**Software Focused Projects:**

* IBM Expense Report Solution (ERS) ( Java, J2EE, DB2 )
* IBM Fabrication facility Multiple Service Platform 300MM wafer ( Java )
* Fidelity Investments software testing ( Java, MS Access, VB script )
* IBM Labor claiming ( MS Access, VB script )

**University of Massachusetts Amherst - Amherst, MA Sept 1998 - May 2001**

**Webmaster**

* Webmaster for Department of Plant and Soil Sciences, Office of Jewish Affairs, and Department of Career Services ( HTML, CSS, JavaScript )

**Network Engines Inc.** ( Canton, MA ) **June 2000 - Sept 2000**

**Software Testing Engineer (Co-op)**

* Developed automated testing software on Windows system ( VB )
* Designed and created Linux FTP testing process for hardware reliability test ( C and b-shell scripts )
* Testing Network Engines Webmin and Apache Web Server which resides on Viper LX

**Microway Inc.** ( Kingston, MA ) **June 1999 - Sept 1999**

**Software Design Engineer (Co-op)**

* Designed and created Microway’s compiler driver 0.9 and 1.0 testing software on Linux platform ( C )
* Analyzed performance and reliability of Alpha 21264DP hardware and software ( SPEC95)

**Excel Switching Co. Lucent** ( Hyannis, MA ) **Sept 1998 - Jan 1999**

**Hardware Testing Engineer (Co-op)**

**Software Design Engineer**

* Designed Purge Information Collector ( Database management system, using MS-Access )
* Designed DMT plans and test procedures ( Design Maturity Test )
* Documented hardware test plan
* ARPP calculation ( Automated Reliability Prediction Procedure calculation )
* Assisted in-house computer lab

**Nationality** : US Citizen