Weiyan (Willy) Ci (617)606-3437 | WillyCi@Gmail.com | Natick, MA 01760
https://Resume.WillyCi.com/ | Portfolio https://flexcode.org/ | YouTube playlist link

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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](#)

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](#) 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