

Titus Cheng

SOFTWARE ENGINEER

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"Make the change that you want to see in the world."

Education

University of Washington

Tacoma, WA

B.S. IN COMPUTER SCIENCE AND SYSTEM

September 2012 - August 2015

- In-major GPA: 3.32, Dean's List
- Course work: Database System Design, Computer Operating System, Design and Analysis of Algorithms, Network and Distributed Systems, Computer Architecture

Skills

Programming Python, C/C++, JAVA, Node.JS, JavaScript, LaTeX, Objective-C, Swift, PHP

Web Express with Node.JS, HTML5, CSS, Angular.JS, JQuery.JS

Database MySQL, MongoDB

Languages Chinese, English, Korean

Experience

Dot Incorporation

Seoul, S.Korea

SOFTWARE LEAD

Sept. 2014 - Apr. 2015

- Headed software development for both the mobile and web platforms in a 5 member start-up team. Designed and built all software related products, providing information accessibility for visually impaired people.
- Designed and built a Braille display demo using Arduino Mega board and 24 LED pins for a start-up competition held in Seoul to win additional funding. Programmed the demo to display Braille patterns in Korean, controlled by iPhone via Bluetooth. Awarded 3rd place with \$10,000 funding.
- Built a custom Braille input based instant messaging app on IOS, using MEAN stack and Socket.IO as back-end, and awarded first place in Golden Pentagon (South Korean version of Shark Tank) with \$1,100,000 additional funding.

Wagon Incorporation

Kirkland, WA

MOBILE LEAD

Feb. 2014 - Aug. 2014

- Headed IOS mobile development at Wagon, connecting movers to users for moving difficult-to-carry furniture.
- Redesigned the user interface and RESTful API call from a legacy Objective-C code base to our custom design, achieving a faster product launch time, resulting in a quicker product iteration and 50% reduction in development time.
- Collaborated and resolved a JavaScript bug in the Google Map API with the co-founder on the web platform, resulting in a more smoother user experience.
- Discovered and resolved a critical bug where an API call not returning necessary data in JSON format.

Pozz

Seattle, WA

SOFTWARE LEAD/CO-FOUNDER

Dec. 2013 - Feb. 2014

- Showcased our Craigslist-like web app demo with a modernized user interface at "Hell Night", an annual entrepreneurship competition hosted at UW, winning "play money" from potential customers and receiving invaluable feedback.
- Hand coded HTML, CSS, JQuery and utilized bootstrap framework along with to create the user interface for a quick prototype.

Point Inside Incorporation

Bellevue, WA

SOFTWARE TESTER

Aug. 2011 - Oct. 2011

- Tracked down and tested an average 50 bugs each month on the Android platform, reporting directly to the VP of Engineering, and promoted to managing all software related bugs on both IOS and Android platform on JIRA.

BoxWave Corporation

WEB DEVELOPER

Kirkland, WA

Feb. 2008 - Apr. 2008

- Hand-coded the newly designed user interface from scratch and ensured that every elements are conformed to the new specification. Ensured the newly designed website met the spec by using the latest features of HTML, CSS, ColdFusion and JavaScript.

Projects

Loving Open Door Church

SOFTWARE ENGINEER/VOLUNTEER

Kirkland, WA

April. 2016 - Present

- Volunteered to lead the software development for the church's website.
- Developed the website from the ground up using the MEAN stack as its base technology.

University of Washington

SOFTWARE ENGINEER/RESEARCH ASSISTANT

Seattle, WA

July. 2015 - August. 2015

- Assisted in a research project funded by University of Washington in a cross-department collaboration.
- Collaborated with a UW graduate student to define project specification and development time line
- Designed a database using the Relation Model to form the basic structure for the survey app required by the research project. Developed RESTful APIs using the HTTP protocol, allowing mobile devices to perform CRUD operation using MySQL as data storage and Node.js as backend server, hosted on AWS.