Michael Lai

5616 15th Ave NE, Seattle WA 98105 ▫ 336-575-2450 ▫ mzlai@uw.edu

EDUCATION

University of Washington - Seattle, WA   **Expected Graduation: Jul 2020**
Tsinghua University - Beijing, China
Master of Science in Technology Innovation
Master of Engineering in Data Science and Information Technology
Leadership: GIX Student Association (GSA) - *Treasurer*, GIX tour guide
GPA: 3.830

North Carolina State University - Raleigh, NC   **Aug 2008 – Dec 2012**
Bachelor of Science in Industrial/Systems Engineering, minor in Statistics
Leadership: Alpha Pi Mu Honor Society **-** *President*, Sigma Nu Fraternity
GPA: 3.516 – *Magna Cum Laude*

PROFESSIONAL EXPERIENCE

Accenture Federal Services - Washington, DC   **Feb 2017 – Aug 2018**
Software Developer
- Led web development redesign of 9 Department of Transportation sites by utilizing user contributed modules along with custom php, javascript and sass.
- Managed all front end themes for Department of Transportation sites; focused on identifying reusable code to improve system performance.
- Developed and migrated legacy Department of Transportation content to Drupal in compliance with screen readers and mobile responsiveness.

General Assembly - Washington, DC   **May 2017 – May 2018**
Course Instructor
- Taught two 12-week part time front end web development courses focusing on industry coding standards and responsive UX design . Average class size of 22 students.

IBM - Washington, DC   **Mar 2013 – Sep 2016**
Senior Consultant
- Managed API development and functional tasks regarding GSA's SAM API interface. Since the API's inception on December 2014, 7 iterative versions have been deployed and maintained.
- Assessed Sam.gov for 508 compliance, which is the federal government's usability standards, serving as the point of contact SME for users who rely on assistive technology.
- As database SME, utilized SQL developer to create dummy data when implementing enhancements, resolving defects, and correcting maintenance issues within Agile and Waterfall deployments.

Credit Suisse - Raleigh, NC   **May 2012 – Aug 2012**
IT Production Services Intern
- Assisted a Lean Six Sigma Greenbelt project that improved data quality within ticket monitoring system. Improve mapping of data sets; which led to development of a VBA macro to expedite the process. Benefits include a decreased error rate and a savings of 15 minutes per instance.

VOLUNTEER EXPERIENCE/ACTIVITIES

Coder Dojo Seattle - Seattle, WA   **Jan 2019 – Present**
Coder Dojo Nova - Annandale, VA   **Dec 2017 – Jul 2018**
DC Central Kitchen - Washington, DC   **Aug 2016 – Jul 2018**

SKILLS/CERTIFICATIONS

- Lean Six Sigma YellowBelt Certification
- Programming: Javascript, PHP, Python, Tensorflow, Ruby, Rails, Node.js, Angular.js, React, MongoDB, SQL, Sass, Drupal, Wordpress, Arduino