New Jersey, US
https://jimmyfu.github.io

JIMMY FU

(206) 606-2778
jimmyfu.work@gmail.com

EMPLOYMENT

Software Engineer II **Amazon (Audible)** **Apr 2018 - Present**
- Decreased latency of Audible website by 30% by optimizing redundant code and service calls
- Led team in deprecation of old web framework and migration to new web framework
- Profiled the Audible website hundreds of times to further optimize performance and reduce technical debt

Software Engineer **Amazon (Audible)** **Aug 2016 – Mar 2018**
- Created an inspector that allowed developers to debug the website without needing a debugger
- Refactored various libraries to decouple themselves from one another to reduce technical debt
- Integrated Amazon services to the Audible web framework such as DOM rendering, authentication
- Integrated third-party analytics solution to the web framework to track third-party analytics

Software Engineer Intern **Amazon (Audible)** **Sep 2015 – Dec 2015**
- Created live production pages for Audible such as acquisition pages which are visited by millions of users
- Created reusable page templates in the web framework that can be redesigned without any deployments
- Created first UI automation tests similar to Selenium to test for regressions

Software Developer **SAP** **Jan 2014 – Dec 2014**
- Added version detection and keyword matching logic to IQ Database Migration Tool
- Created validation and regression tests on IQ database after upgrading to newer major versions of IQ
- Increased test coverage of IQ database against large concurrent queries and validate data integrity
- Investigated and fixed locking and contention issues in IQ

Software Engineer Intern **D2L** **May 2013 – Aug 2013**
- Added caching of binaries to build script instead of rebuilding which lowered build times significantly
- Automated packaging process of web application binaries and added build information to binaries
- Created page widgets/components on D2L website

EDUCATION

Waterloo, ON **University of Waterloo** **Fall 2011 - June 2016**
- Honours Bachelor of Applied Science (BASc) in Computer Engineering

TECHNICAL EXPERIENCE

Projects
- **2D Side-scrolling Game** – An obstacle game where the objective is to reach the end of the map. It is built on Unity using RigidBody2D for physics and BoxCollider to detect collisions. Unity, C#
- **WATJob** – An iOS job searching app for Waterloo alumni which provides job postings and relevant information about them such as reviews, salary, interview information, etc. It uses various public APIs such as the Waterloo API, GitHub API, and Glassdoor API. iOS, Swift
- **ShopSmart** – An Android application that is used together with a barcode scanner to allow shoppers to scan items while shopping to create an electronic shopping list. Within this application, users can see reviews of the product, insert reviews, and find products within the store using an interactive map. After creating an electronic shopping list, users can use a checkout station to pay. Android, Java
- **Doctor-Patient Social Network** – A doctor-patient social network where doctors and patients can add each other as friends, post reviews and rate doctors. MySQL, Java, JSP

Languages and Technologies
- Java; C++; SQL; JavaScript; HTML; CSS
- AWS; Spring; IntelliJ; Eclipse; XCode; Android Studio; Vim, Git, Perforce