

MICHAEL SHAO

SOFTWARE DEVELOPMENT ENGINEER

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Optimize and develop impactful technical ideas and processes to change industries. Innovative thinking, with a penchant for solving user frustration.

Customer Focus: Solve user frustration through continuous iteration; adapting quickly to abstract and rapid changes to requirements.

User Interface / Experience Design: Provide meaningful value for stakeholders while keeping focus on big picture and high-level goals.

Project Direction: Proven ability to lead and manage a wide variety of design and development projects in team and independent situations.

Skills

Creative Problem Solving

Quality Assurance

Debugging

Testing

Troubleshooting

Algorithm Design

JavaScript

jQuery

CSS

Spatial Analysis

Entrepreneurship

Business Strategy

Team Leadership

Product Development

Product Management

Strategic Planning

HTML 5

PHP

Software Project Management

Software Documentation

MySQL

Technical Documentation

Technical Writing

Java

SQL

Perl

Git

C++

HTML

SVN

Mercurial

Perforce

Employment

Amazon.com
Software Development Engineer

Seattle, Washington
Jun 2015 to Current

I work on the platform that connects third-party sellers on Seller Central (Amazon Marketplace) with shipping carrier services (DHL, DPD, FedEx, UPS, USPS, Royal Mail).

- Refactored automated integration tests to allow for better flexibility in testing & functionality.
- Optimized and streamlined onboarding process for adding new shipping carrier services onto internal platform.
- Designed and implemented seller-facing feature to enable default overrides for delivery date calculations.

Riot Games
Software Engineering Intern, Player Accounts, Core Services

Santa Monica, California
May 2014 to Aug 2014

- Signup API (Node.js) - built API for signup; connect to internal and external databases/servers; validate information across data channels.
- Hackathon (Thunderdome): Built "co-op vs. AI: draft mode" webapp (also Node.js) in 36 hours (w/ 8 other interns); led design & ideation sessions

Audible, Inc. (a division of Amazon.com)
Software Development Engineer in Test

Newark, New Jersey
Jan 2014 to Apr 2014

- Built & maintained test automation suite (Kindle) for Immersion Reading in Android.
- Designed a tool to track, manage, and control third-party devices across the company.

Datalot Inc
Web Developer

Brooklyn, New York
Jan 2013 to Apr 2013

Front-end web development (JS/jQuery/HTML/CSS); Interactive Voice Recording Menu redesign, event monitors & dashboards
Created initial documentation for all areas of the application, used by new hires, both in the business and technical areas.

Blue Coat Systems
Software Test Automation Engineer

Waterloo, Ontario
Jan 2012 to Apr 2012

Perl - creating test units for operating system software & features

(Test Automation) Software Engineer

Waterloo, Ontario
May 2011 to Aug 2011

Automated testing using bash/Perl/Python

AGF Management Limited
PC Support Analyst

Toronto, Ontario
Apr 2010 to Aug 2010

Desktop support for 200+ business users; migration support for WinXP to Win7; main G20 summit resource

Projects

Chrome Extension - Password Context Hints

Mar 2016 to Current

The implementation was much harder than initially anticipated for one person to finish in 36 hours. The idea behind this project is fairly simplistic: In a signup page, we have "restrictions" on a password: length, types of characters, password structure, etc. When we go to login, whether it be a day, a week, or a year later, we might forget! Since every website has a different restriction (no standards! sad panda), sometimes we can get into scenarios where it is hard to remember in what context or restriction these passwords lived in. That's where this Chrome extension comes in. When you highlight a password field before input, a small dialog window/box appears in the screen, showing you the context of which the password was created in, so users can quickly get that much-needed reminder as to what password they most likely set for this webpage.

shoptimize

Jan 2012 to Aug 2013

Grocery shopping, optimized for a mobile device! Shoptimize is a mobile application to optimize the grocery shopping experience based on price, location, and convenience, to combat the frustration of endlessly checking prices manually through multiple grocery flyers. (alternate name: "EndlessBread")

Education

University of Waterloo
Honours Bachelor of Computer Science Computer Science (Co-op) 2014
History Minor

Activities

VeloCity - Resident

May 2011 to Dec 2013

Participated and lived in VeloCity residence program.

Creating and cultivating impactful startups with Canada's most innovative university's entrepreneurial residence program.

Startups created / worked on: CodeCookie, shoptimize.

Volunteering

Federation of Students - Mathematics Federation Orientation Committee Member

Dec 2011 to Aug 2012

Planned and organized a campus-wide scavenger hunt for new Math students, as well as managed the ordering of food for 135 leaders and ~1500 students.

Maintained and updated databases of information regarding leaders and new students, allowing for meaningful statistical analysis and adjustment of orientation procedures. Moderated and managed content, layout, and design of the new student website, the leader blog, and publications made to bi-weekly student newspaper (MathNEWS).