Junchen(Jack) Zhang

miracle1949.github.io/project | jackzhangjc@gmail.com | 226-600-8368

GOOGLE | SOFTWARE ENGINEER
NEW YORK, NY | WINTER 2016
- Worked with the Go language team and added multiple features to the Godoc using Go
- Discover and display package relationships through co-imports using data mining techniques
- Find important concrete types for each interface by doing type analysis using MapReduce
- Added documentation tooltips on identifiers
- Find and display pending and recently submitted changelists and bugs

A9.COM (AMAZON) | SOFTWARE ENGINEER
PALO ALTO, CA | WINTER 2015
- Worked with the advertising team and remodeled the data pipeline using Hadoop MapReduce
- Developed a client side metrics Javascript on Amazon.com that tracks users' behaviors on ads
- Aggregated results with Hive queries, visualized for comprehensive analysis

UNDERGRADUATE RESEARCH ASSISTANCE | UW
WATERLOO, ON | FALL 2014
- Ported a main-memory database management system to common Lisp
- Worked on two compilers that convert a query-like language that describes relational database to C

CMA | SOFTWARE DEVELOPER
TORONTO, ON | WINTER 2014
- Designed and developed D&A Magazine Mobile Site
- Developed a MVC web application for creating URL redirects for CMAOntario.org

OPTA INFORMATION INTELLIGENCE | WEB DEVELOPER
MARKHAM, ON | SUMMER 2013
- Full-stack web application development that improved efficiency of inspecting residential properties

SKILLS

Proficient Languages: Go, Java, C++, C, Objective-C, Hive, Protocol Buffer, SQL, Pascal
Frameworks: Hadoop, MapReduce, Express, iOS, .Net
Web: HTML, Javascript, jQuery, Node.js, CSS, C#

PROJECTS (GITHUB.COM/MIRACLE1949)

Google GlassBoard - Hack the North
Web-based augmented reality built for Google cardboard that allows the user to interact with visual overlays. Utilized pixel tracking, WebGL, HTML5 canvas, OpenCV

Trail - Velocity Project
A web-based online experience sharing platform. Used Node, ReactJS, SQLite

UWCourses - iOS App
An IOS app for managing UW courses, timetables, and exam countdowns. Used Objective-C, core data, Event Kit

TripPlaner - Hack the North
Utilized Myo™ API to allow users to control Google Map Streetview and take pictures using gestures

EDUCATION

Candidate for Bachelors of Computer Science and Business Administration Double Degree, University of Waterloo, Wilfrid Laurier University, Waterloo.
Sept. 2012 – Aug. 2017