

CHARLIE ZHANG

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EXPERIENCE

Shopify | Software Developer Intern

September 2017 – December 2017

Waterloo, ON

- Enabled real-time content updates on the iOS app by rebuilding the view hierarchy during runtime
- Implemented search in the iOS app using UIKit and a GraphQL API

Miovision | Software Developer Intern

January 2017 - April 2017

Kitchener, ON

- Developed interactive analytics dashboards by building reusable modules with React, Alt, D3.js, and Meteor
- Reduced API response times by up to 90% by optimizing database queries and reducing expensive database calls in API endpoints
- Integrated Jira using the Atlassian API to allow users to sync Jira issues
- Built a Mocha testing suite to automate and streamline QA process

Vena Solutions | Software Developer Intern

May 2016 - August 2016

Toronto, ON

- Refactored REST API to support shared dimensions between OLAP databases, decreasing ETL process times by an average of 11%
- Resolved over 20 feature requests and usability issues using Java, Jersey, Dropwizard, and Backbone
- Led the development and launch of a new company careers site

Mikutech | Software Developer Intern

October 2013 - August 2014

London, ON

- Built an internal PHP web app that generated daily reports about production bugs from error logs on a Redis database
- Deployed a PHP service that sent automated email reports about developer resource allocations through the FogBugz API
- Implemented cutscenes in a 1000+ players game using ActionScript 3

PROJECTS

Star Stream

bit.ly/star-stream

Developed and published a shoot 'em up Android game from scratch using Java, Gradle, libGDX, and self-made pixel art

My Ordinary Life

www.myordinary.life

Created a minimalistic online daily journal using a MySQL, Express, React, Node stack running on AWS

Scala Compiler

Built a compiler in Scala that compiled a subset of Scala into MIPS

EDUCATION

University of Waterloo

B. Sc. Software Engineering

- Currently in 3rd year
- Expected May 2020
- CGPA: 3.71 / 4

National University of Singapore

B. Sc. Computer Science

- Exchange student from January 2018 – April 2018

SKILLS

Languages

Java • JavaScript • Ruby • C# • C++ • Swift • PHP • HTML/CSS

Full-Stack

React • Angular • Backbone • Node • Express • Rails • Meteor • webpack

Databases

MySQL • MongoDB • Neo4j

Tools

Git • Bash • Xcode • Android Studio • Unity

AWARDS

Best Hack - People's Choice
WearHacks, 2017

Top 10 Projects
EngHack, 2015

Carl A. Pollock Engineering
Scholarship
September 2015

University of Waterloo
President's Scholarship
September 2015

INTERESTS

Ping pong, cooking, gaming,
piano, chillhop, biking