

# 3B Software Engineering

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# **SKILLS**

PROFICIENT: C#, JAVASCRIPT, HTML, CSS, C++, JAVA

FAMILIAR: PERL, PYTHON, SQL, C

# **INTERN EXPERIENCE**

#### **GOOGLE** | SOFTWARE ENGINEER FOR GOOGLE MAPS ON ANDROID

January 2017 - present | Seattle, WA

- Worked on increasing the volume of feedback reports, improving their fix rates, and reducing the time to resolve each issue
- Assisted in making tutorial triggering smarter

### YAHOO! | SOFTWARE ENGINEER FOR POLYVORE REVENUE TEAM

May 2016 - August 2016 | Sunnyvale, CA

- Strategically added a monetized outbound link which resulted in a 5-8% revenue increase
- Added cost-per-click monetization to four different pages, which increased revenue by 2-3%
- Used A/B testing to safely review the affects of high-impact changes

## **BDA ENTERTAINMENT** | WEB/MOBILE DEVELOPER

September 2015 - December 2015 | Mississauga, ON

- Designed and developed entire live chat system in C# and JavaScript using SignalR library, which uses WebSockets
  - Up to 50,000 messages sent every day
  - Features emojis, message formatting commands, anti-spam prevention, word filter, and blocking/unblocking capabilities
  - Extremely smooth UI with draggable and resizable chat windows, a users list, and seamless loading of older messages

### **BDO SOLUTIONS** (FORMERLY SYSTEMGROUP CONSULTING INC.) | SOFTWARE CONSULTANT

May 2014 - August 2014 / January 2015 - April 2015 | Mississauga, ON

- Optimized daily job calculations making them run up to 50% faster using SQL stored procedures combined with C#
- Applied styling to entire website for a complete UI revamp, which resulted in great feedback from the client

## **PROJECTS**

### FFMPEG | Open-source Contribution (TEAM of 6)

Link to Patch I C

- Implemented optimal Huffman tables to improve (M)JPEG encoding
- Resulted in a lossless compression of ~10% more than the original encoding

#### **CHECKPOINTS** | WEBSITE

Link | React, Redux, Node.js, MongoDB

- Track your bucket list items, upload photos for proof of accomplishments, and share them with your friends
- Implemented efficient search tool for finding people, preferring friends over strangers

#### WAR | WEB GAME

Link | HTML, CSS, JavaScript, Phaser

- 2D top-down shooter where you battle with up to 3 other players inside an arena
- Features randomly generated maps and an AI that uses clearance-based pathfinding to chase the closest player

### GREED: DODGE GAME | ANDROID APPLICATION

Link | Java, Android SDK, Google Play Services

- Collect coins and powerups while avoiding cannonballs bouncing on the screen
- Features a shop to buy upgrades and skins, 45 achievements, and over 100 individually drawn images

# **EDUCATION**

## CANDIDATE FOR BACHELOR OF SOFTWARE ENGINEERING | UNIVERSITY OF WATERLOO