

Alex Chung

 [linkedin.com/in/alex-tenvolin](https://www.linkedin.com/in/alex-tenvolin) |  github.com/Tenvolin
 alexchung@tenvolin.com |  Vancouver, Canada |  604-600-1034

Education

University of British Columbia
Bachelor of Science, Computer Science

Vancouver, British Columbia
Sep 2015 – Dec 2019 (expected)

Langara College
Associate of Science, Computer Science

Vancouver, British Columbia
Sep 2013 – Jun 2015

Experience

SAP
Software Developer Intern

Vancouver, British Columbia
Jan 2018 – Aug 2018

- Implemented new features and resolved customer and internal incidents for BI Platform and Crystal Reports.
- Identified and fixed database session leak in BI Platform to remove customers' database slowdowns.
- Added support in Crystal Reports to enable database connections to new vendors and releases.
- Monitored and improved error logging in internal release management tool to lessen debugging time.

Royal Bank of Canada (RBC)
Software Developer Intern

Toronto, Ontario
Sep 2017 – Dec 2017

- Contributed to enterprise-wide MVC tool to replace legacy manual processes for capital investment and authority delegation management - to reduce non-value add tasks, liberating time throughout organization.
- Prototyped .NET MVC 5 tool presented to CFO, leading to an enterprise product release within 6 months.
- Acted as liaison between non-technical team and RBC contracted development team, communicating requirements and providing constructive feedback for designs.

Projects

MiniJava Compiler

Jan 2019 – May 2019

- Compiler for a subset of the Java language that compiles down to x86 assembly code.
- Wrote majority of front- and back-end using Java, skeleton library code, and JavaCC parser-generator.

Kernel and Bare Minimum Operating System

Jan 2019 – May 2019

- Unix inspired kernel and bare minimum OS that runs on the Bochs x86-64 IBM PC emulator, written in C.
- Implemented process synchronization, memory management, IPC, and basic keyboard device driver.

TweetAndGo

Dec 2018 – Dec 2018

- Archival program to process tweets with aims to explore semantic analysis and chatbot concepts.
- Partially circumvented twitter API rate and volume limits to fetch and persist up to 3000 tweets.
- Developed using Doctrine2 ORM, PHP 7.3; deployed on Google Cloud Platform compute engine VM.

TranslinkOCR

May 2018 – Jul 2018

- OCR-based Android app to query bus stop routes and schedules from smartphone camera for fast lookups.
- Implemented reverse proxy to service android app bus stop requests and obfuscate API key.

Skills

Languages: Java · PHP · Python · C# · C++ · C · JavaScript
Tools & Frameworks: WINAPI · Git · Perforce · .NET · MVC · Android · Google Cloud Platform