

Alexander Lapena

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EDUCATION

University of Guelph

Bachelor of Honors Computing, Computer Science

September 2013 – (2017)

PROJECTS -- <https://github.com/AlexLapena>

Codemon: *C, Java, Java Native Interface*

- Individually created game that allows a user to fight their “Codemon” with others through a PvP server.
- Implements a text editor inside the GUI for the user to create their Codemon in assembly language. The user has options to load, open, save or assemble their Codemon.
- Used C to parse the text editor and Java to create a user friendly interface to play the game.

Tic Tac Toe: *Fortran 95*

- Implements subroutines and functions for an AI algorithm to play against the user.
- Exemplifies ability to switch through to different languages effectively.
- Outputs a friendly interface for user.

iCalendar: *C*

- Loads in an ics file into memory.
- Implements a list to organize dynamically parsed elements.
- Samples strong parsing ability and use of pointers.

SKILLS

Programming Languages:

High Proficiency: *C, Java*

Intermediate Proficiency: *SQL, Python, Assembly, Legacy Languages*

Tools, Frameworks and other skills:

Unix/Linux, Git/svn, Eclipse/NetBeans, gdb/Valgrind

WORK EXPERIENCE

Metro Customer Service

- Western Union Agent – Sent and received money, entered information in their database. 2014 – Present
- Responsible for auditing, counting and organizing the store’s tills and safes.
- Key holder position, trained in store management.
- Main store phone operator, spoke with and helped customers.
- Demonstrated exceptional communication skills through handling customer issues.

Literacy Volunteer

- Provided reading assistance to elementary school students. 2013
- Encouraged children to become motivated in their education.
- Engaged the students in reading and helped them socialize with peers.

References Available upon Request