

# Lestley A. Gabo

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## Software Skills

Applications and Tools		Languages		OS
• Ruby on Rails	• Microsoft Office	• Ruby	• Java	• Windows
• GitHub	• Visual Studio	• JavaScript	• C++	• Android
• Cloud9	• Eclipse	• HTML	• C	• iOS
• Bootstrap	• ModelSim	• CSS	• VHDL	• macOS
• MATLAB	• LT Spice	• MySQL	• Linux	• Linux
		• Regex	• Shell	• QNX

## Hardware Skills

- Excellent knowledge in installing, troubleshooting, and configuring personal computers
- Familiar with Raspberry Pi and Arduino after doing several tutorial level projects
- Experienced in introductory level circuit design for an opamp, diode, BJT, MOSFET, and FPGA
- Proficient at designing basic logic circuits including logic gates, MUXs, decoders and encoders
- Competent in using lab equipment: oscilloscopes, digital multimeters, power supplies, function generators, semiconductor parameter analyzers, and spectrum analyzers

## TECHNICAL WORK EXPERIENCE

**Technical Support Analyst**, Themis Program Mgmt. & Consulting Ltd.

**Sep 2014 – Apr 2015**

- Supported over four hundred users as a member of the Helpdesk team
- Communicated effectively with users regarding their various problems such as corrupted accounts, defective computer parts, and known common issues
- Wrote shell scripts and after testing pushed them to hundreds of computers, creating customized desktop icons that made the company applications easier to access
- Kept vigilance of potential problems by monitoring emails, server rooms and physical backups

## PROJECTS

**Online Portfolio – links to online profiles and web projects**

**Feb 2017**

Self-directed personal project – link – <https://lestleygabo.herokuapp.com/>

- Online portfolio that has simple buttons with labels and relevant icons and when clicked opens a tab to my profiles in LinkedIn, GitHub, HackerRank, DevMatch, and other projects
- Button from codemyui.com then used test driven development until desirable HTML and CSS
- Applied Sendgrid API in the contact page to send me an email if email and comments are valid

**DevMatch – web application created using Ruby on Rails**

**Jan 2017**

Project from Upskill Bootcamp

- Built a web application using Ruby on Rails from front to back, it is a to contact each other
- Used Stripe to supports e-commerce functionality integrated from scratch allows users to sign up for free or pay a monthly fee, Sendgrid API was also integrated for email notifications
- Handled version control through GitHub then deployed application to a live Heroku server

**Simulated Computer Tomography**

**Oct 2016**

Course lab for Biomedical Image Acquisition, ENSC 477

- Wrote a filtered backprojection script in MATLAB to reconstruct a simulated sinogram image
- Added noise and dose to the script and used it to reconstruct an image from a real x-ray sinogram then compared the differences between real and simulated reconstructed images

## PROJECTS CONTINUED

### Smart Post – smart mailbox and parcel box

Sep – Dec 2015

Course project for Engineering Science Project (Capstone), ENSC 440

- Programmed an Arduino to check the opening and closing of the Parcel Box so if a parcel is taken by someone else, it takes a photo and then sends it to the user along with a notification
- Designed and built from scratch the Parcel Box, an enlarged mailbox specifically for parcels or packages created for its convenience and its security features

### Android Application That Manipulated Photos

Nov 2015

Course project for Multimedia Communications Engineering, ENSC 424

- Researched which filters to use and used simple algorithms to create the code in Java
- Helped create the application framework and integration of the filters

### Simulation of Data Transfer Using XMODEM Protocol

Jan – Apr 2014

Course lab for Real Time and Embedded Systems, ENSC 351

- Simulated data transfer between QNX clients using C++ and the XMODEM protocol in varied scenarios to gain understanding of RTOS and embedded systems
- Created functions and then moved on to modifying state charts and lastly interrupts, timers, and pulses to create a user controlled data transfer reader and writer

### Personal Computers

Aug 2011 – Jan 2014

Self-directed personal project

- Assembled a Windows desktop computer by buying parts online when on sale, saved a lot of money and had a more powerful computer compared to a pre-built desktop
- Afforded high quality monitors, keyboards, mice, and chairs from the leftover budget

## OTHER EXPERIENCE

### SFU Science Rendezvous Volunteer, SFU, Burnaby, BC

May 2013

- Presented science demonstrations to kids to show them how amazing science is

### Gardening Club, Guildford Park Secondary, Surrey, BC

Sep 2010 – Jun 2011

- One of the first members of the Guildford Park Garden Club the school librarian started
- Cultivated, planted, and watered a 5x5 meters garden resulting in a full walk-in garden

### After School Tutor, Guildford Park Secondary, Surrey, BC

Sep 2009 – Jun 2011

- Guided students through notes and books to improve their behavior towards learning
- Gave positive reinforcement on difficult to handle students which improved my social skills

### Surrey Food Bank Volunteer, Surrey, BC

Jan – Mar 2011

- Sorted food cans by food type and size enabling us to hand them out efficiently

### Spring Camp Assistant, Bridgeview Elementary Surrey, BC

Mar 2010

- Organized games, gathered kids outside and played manhunt, capture the flag, and relays to tire them out and were then compliant when their parents came to pick them up

## EDUCATION

### Simon Fraser University, Burnaby, BC

Dec 2017

- Bachelor of Applied Science, Electronics Engineering

## INTERESTS

- Programming in Ruby, MySQL, and JavaScript in HackerRank Jan 2017 – Present
- Reading Chinese, Korean, and Japanese translated web novels Jan 2014 – Present
- Working out and attending bi-monthly board game nights Sep 2010 – Present