# Paul Kania-Rozehnal

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## EDUCATION

### CONCORDIA UNIVERSITY
B.Eng in Civil Engineering
April 2019 | Montréal, QC
Cum. GPA: 3.63 / 4.3
Major GPA: 3.40 / 4.3
FoC Academic Scholarship Recipient
Research Position Under Dr. S. Rahaman

### UPPER CANADA COLLEGE
May 2010 | Toronto, ON
Varsity Soccer Vice-Captain

## COURSEWORK

### ONLINE
Stanford University
Intro to Network Engineering
Intro to DS and Algorithms
Misc.
AlgoExpert.io - Algorithm Training
DataCamp - DataScience Courses

### UNDERGRADUATE - AUDITED
McGill & Concordia University
Operating Systems
Algorithms And Data Structures
Fundamentals Of Computer Graphics
Software Design
Introduction To Cryptography
Introduction To C++

## SKILLS

### PROGRAMMING
Proficient:
Python 3 • C++ • Ruby On Rails
Comfortable:
Javascript • HTML • CSS3
Go • Git • Bash • Heroku
OLC Pixel Game Engine
Familiar:
Regex • AWS • Wireshark

### LANGUAGES
Proficient:
English
Comfortable:
French • Czech

## LINKS

Personal Site:// **Paul Kania**
Github:// **Paul Kania**
Gmail://**Paul Kania**
Linked In:// **Paul Kania**
Stack Overflow:// **Paul Kania**

## TECHNICAL PROJECTS

### 2D BALL PHYSICS SIMULATOR   C++ | OLC Pixel Game Engine
Nov 2019
- Includes collision detection, drag+drop functionality, drag+click shooting, gravity, friction.

### MICROBLOG   Website | Ruby On Rails | Git | Heroku | AWS
October 2018

- Users are able to post content on their home page and friends pages.
- Site includes dynamic pages, site navigation, user sign-up with mailers, regex validity parsing, password hashing, password reset, cookies, sessions, robots.txt.
- Introduced to test-driven development and REST / RESTful practices.

### MISCELLANEOUS GAMES   Python 3 | C++
November 2019 – Present

- Twitter Bot [Python] that retweets original content of Blockstream employees.
- Dead Man's Switch [Python] based off the age of a twitter user's most recent activity, using the Twitter API, SMTP, and bash/batch.
- XKCD Web Scraper [Python] built to download the entirety of xkcd's comic collection.
- Console Based BlackJack [C++], Connect-4 [C++], Tic-Tac-Toe [Python]

## ACCOMPLISHMENTS

### 2019 ADVENT OF CODE   Python 3
December 2019 - Present

- 95th percentile finisher in a Christmas-themed online challenge.
- Excellent open-ended problem solving training that tested my skills in problem conceptualization & tool-selection.
- Techniques used include utilizing graph data structures, recursion, and complex hash-maps.

### HALITE III COMPETITOR   Python 3
December 2018

- Bot ranked 1173/2943.
- Reinforced knowledge about absolute/relative position mapping, classes, class inheritance.

## WORK EXPERIENCE

### TECHNOLOGY EVALUATION CENTERS   Content Specialist
October 2019 - Present

- Catalyzed a productivity increase by introducing regex to content processes.

### OTHER WORK

- Quality Control Technician - E.Construction - Alberta - Summers of 2018,2019.
- Bike Courier - Foodora - Montreal, Vancouver - Over 12,000 km 2017-2020.
- Tree Planter - Summit Reforestation LTD. - British Columbia - Summer 2016.