Paul Rozehnal

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All Hyperlinks Are Suffixed With An Asterisk* For Clarity

EDUCATION

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

OPEN SOURCE WORK

BUG REPORTS

2022 - Blockstream Green*
2020 - Ride-The-Lightning *

PULL REQUESTS
2023 - Bitcoin Optech*

SKILLS

PROGRAMMING
Python* • C++* • Javascript*
Git • Bash/Batch* • Regex
Rust • Wireshark • Vim

LANGUAGES
Proficient:
English • French
Comfortable:
Czech • Spanish

COURSEWORK

MCGILL UNIVERSITY
Network Engineering
Data Structures and Algorithms
Operating Systems
Distributed Systems

SOME HOBBIES

Bikepacking*
Meditation*
Drawing*
Reading*

LINKS

Personal Site*
Github*
Gmail*
Linked In*
Stack Overflow*
PGP CB53 6D9E 10B1 251D D59C
    BF68 6CA7 9961 EA61 70E3

TECHNICAL PROJECTS

2D BALL PHYSICS SIMULATOR*   January 2020
C++ | OLC Game Engine*

- Collision detection, drag and drop functionality, drag and click shooting, gravity, friction.

TWITTER CLONE   Q2 2019
Ruby On Rails | HTML | Git | Heroku | AWS

- Users are able to post content on their home page and friends' pages.
- Dynamic pages, site navigation, user sign-up with mailers, regex validity parsing, password hashing, password reset, cookies, sessions.

MISCELLANEOUS GAMES   2019 – Present
Python | C++

- Twitter Bot* - python - retweets created tweets of any user added to a list. Extensive use of the Twitter API.
- Dead Man's Switch* - python - switch threshold based off the time past since a twitter user's most recent activity. Twitter API, SMTP, bash.
- 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]

2020 ADVENT OF CODE*   December 2019
Python

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

BITCOIN CORE PR REVIEW CLUB*   2021 - Present
C++ | Python

- Communal code review, focusing on low-level topics via a weekly IRC meetup.
- Topics have included implementing policy changes, testing frameworks, code refactoring, etc.

WORK EXPERIENCE

- Content Specialist - TEC - Montreal - 2019-2020 -> Catalyzed a 10x productivity increase by introducing regex to some processes.
- Rigger - IATSE - Montreal - 2022-Present
- Section Chef - Hotel Nelligan - Montreal - 2022.
- Quality Control Technician - E.Construction - Alberta - 2018,2019.
- Bike Courier - Foodora - Mtl, Vancouver - x > 12,000 km 2017-2020.
- Tree Planter - Top 5 Rookie - Summit LTD. - British Columbia - 2016.