**Rafael Pacheco Ribeiro**

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**OBJECTIVE:** Seeking a job position as a Co-op Student

**HIGHLIGHT OF QUALIFICATIONS**

* Passionate about learning, self-motivated, detail-oriented, with the ability to take initiative
* Highly motivated and enthusiastic towards computer programming
* Ability to work in a fast paced environment, with creative and analytical thinking
* Professional communication skills: fluency in English and Portuguese, basic Spanish, German and French
* Ability to work well in groups, with effective interpersonal and problem solving skills
* MS Office skills (Outlook, Word, Excel, Visio and PowerPoint)

**TECHNICAL SKILLS**

Languages and Libraries: Python, C++, C, Javascript, HTML5, CSS3, JQuery, Bootstrap4.0

Frameworks and Engines: Django, Flask, Express.js, Node.js, Handlebars.js

Databases: IBMi SQL, Oracle, MongoDB, PostgreSQL, SQLite

IDE Tools and Version Control: MS Visual Studio 2017, MS Visual Code, Atom, Heroku, Git

Operational Systems: Windows, Linux

**EDUCATION AND TRAINING**

**Computer Programmer and Analysis Diploma Program**, Seneca College 2017 – present

**CS50 – Introduction to Computer Science**, EdX-HarvardX Dec 2017

**Principles of Computing (Part 2)**, Coursera Dec 2016

**Principles of Computing (Part 1)**, Coursera Oct 2016

**An Introduction to Interactive Programming in Python (Part 2)**, Coursera Sep 2016

**An Introduction to Interactive Programming in Python (Part 1)**, Coursera Aug 2016

**Using Databases with Python**, Coursera Jul 2016

**Using Python to Access Web Data**, Coursera Jun 2016

**Python Data Structures**, Coursera Jun 2016

**Programming for Everybody (Getting Started with Python)**, Coursera Jun 2016

**Bachelor’s Degree, Law**, University of Lavras (Unilavras), Brazil 2006 – 2010

**TECHNICAL PROJECTS**

**Travel Website**

* Web application to calculate distances between cities for roadtrips
* Designed the front-end responsively using HTML5, CSS3, and Javascript for interactivity
* Made use of the Google Maps API for distances calculation
* Coded the back-end using the Flask framework and SQLite database

**Portfolio Website**

* Web application to provide a showcase of my work and skills
* Designed the front-end responsively using HTML5, CSS3, and Javascript for interactivity
* Coded the back-end using the Django framework and SQLite database

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**Blog Website (in progress)**

* Blog web application that allows user to Create, Read, Update, and Delete (CRUD) posts
* Designed the front-end responsively using HTML5, CSS3, and Javascript for interactivity
* Coded the back-end using the Django framework and SQLite database

**Recover**

* Small program to recover deleted jpeg files from memory
* Coded using C language to read byte by byte in order to find jpeg data patterns

**Tic-Tac-Toe Clone**

* The clone of a game of Tic-Tac-Toe with an AI opponent
* Coded using Python for the logic, and the Pygame library for the graphics
* Makes use of a Minimax algorithm to determine the opponent’s movements

**2048 Clone**

* A clone of the popular 2048 game
* Coded with Python, making use of two-dimensional arrays and merge algorithm
* Designed the graphics using the Pygame library

**Conway’s Game of Life**

* An implementation of the famous simulation called Conway’s Game of Life
* The algorithm was coded with Python
* Designed the graphics with the Pygame library

**Aid Management Application**

* Software to manage a list of goods to be shipped to a disaster area
* Coded with C++, making use of Object Oriented Principles such as inheritance and composition

**VOLUNTARY WORK**

**Registration Table for Free Software and Open Source Symposium (FSOSS)** Aug – Sep 2017

* Explained the event for students and faculty members and received applications

**SMILE program** 2018 – present

* Provide mentoring to new students, helping them become accustomed to College life

**EMPLOYMENT HISTORY / EXPERIENCE**

**KPI Ambassador**, Seneca College Feb 2018

* Responsible for organizing the KPI survey in classrooms
* Answered questions and helped the students doing the survey

**Assistant of Judge**, Minas Gerais State Court of Justice, Lavras/MG, Brazil 2014 – 2017

* Assisted the Judge in research and in the writing of legal documents and rulings
* Provided training and mentoring for Interns

**Bailiff**, Minas Gerais State Court of Justice, Lavras/MG, Brazil 2006 – 2014

* Kept order during trials and served legal documents to the public