Damandeep Singh Bawa

Victoria, BC   github.com/DamFlancoz   https://www.linkedin.com/in/daman2018/
250-589-9156   damandeep2018@gmail.com

PROFESSIONAL PROFILE

- 3.5 years of experience with OOP (Python). Exposure to SQL. 4 months experience with Java
- Self-taught C++, web technologies, tensorflow (keras), AES and Git.
- Demonstrated understanding of data structures and algorithms in Data Extraction System.

EDUCATION

Bachelor of Software Engineering (GPA: 7.71/9 or 3.8/4)   Graduation: June 2023
University of Victoria, Victoria, British Columbia

WORK EXPERIENCE

Software Developer Part-Time, *Purple Rock Inc*, Victoria   Sept 2019 - Current
- Developed Validation for the files generated from automated data extraction.
- Extended data extraction system. Practiced continuous delivery.

Software Developer Coop/Intern, *Purple Rock Inc*, Victoria   May 2019 - Aug 2019
- Automated data extraction from mineral exploration reports.
- Designed the software system and implemented the system.

PROJECTS

Data Extraction System (*Python, iPython, Pytest, Git, BitBucket, Dev Ops*)
- Automated extraction of data from online public database (pdfs reports) to local suitable format.
- Lead project to fruition by architecting an extendable system and recording useful tests.

Timetable Builder (*Python, HTML, CSS, JavaScript, jQuery, Django, mySQL, Rest Api, Git*)
- Recommends suitable course sections when given courses to attend.
- Designed a browser GUI (allows customising timetable) and Text UI versions.

File Lock (*C++, AES, Encryption, Data Structures, Algorithms, Git*)
- Encrypts (locks) OR decrypts (unlocks) a file with AES using given password.
- Self-Learned AES and implemented ECB and CBC modes for it. Validated with test vectors.

Autonomous Cable Connector (*C, Real-Time System, Embedded Program, Basic Circuits*)
- In a team of 3, built and programmed a robot to connect cables from source to target.
- Gathered requirements for software; designed a real-time system and tested it rigorously.

SKILLS

Adept:	Python, C++, Tensorflow (Keras), HTML, CSS, Git, VisualCode
Proficient:	C, Java, JavaScript, jQuery, Django, Rest Api, BitBucket, Linux
Familiar:	Matlab, SQL, Dev Ops, Real-Time System, Arduino, Assembly

ACHIEVEMENTS

- Top 10 % in two CSC courses. Achieved 100% in Java course (Fundamentals of programming II).
- Achieved rank 1437.5 out of 4,623 students in Putnam Math Competition 2018.