Damandeep Singh Bawa

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PROFESSIONAL PROFILE

- 3.5 years of experience in object-oriented programming and scripting.
- Programmed scalable projects with tests and documentation for easy maintenance and upgradation.
- Experienced working independently and with teams in work environment.

SKILLS

Technical

  Adept: Python2, Python3, Java, HTML5, CSS3, VisualCode

 Proficient: C, JavaScript, jQuery, AJAX, Django, Git, BitBucket, Ubuntu/Linux, SQL

Professional

• Organised under pressure	• Coordinates well in teams	• Great communicator
• Strong problem solver	• Self-motivated	• Passionate to learn

PROJECTS

Data Extraction Automation (*Python3, iPython, Pytest, BitBucket, Black, VisualCode*)

- Automated extraction of data from online public database (stored in pdfs) to local excel templates.
- Worked with geologists to gather their needs and researched alternate options.

Timetable Builder (*Python3, Git, HTML5, CSS3, JavaScript, jQuery, AJAX, Django, REST API*)

- Recommends suitable course sections when given user's needs or helps user in scheduling classes.
- Designed a browser GUI and Text UI versions.

Autonomous Cable Connector (C, Vex-kit, electrical components)

- In a team of 3, built and programmed a robot capable of connecting cables from source to target autonomously.
- Gathered requirements for software, designed and tested it rigorously, and, designed custom electrical sensors based on teams need.

3 games in 1 (Python2)

- Permits user to play Tic-Tac-Toe, Hangman and NIM from same application.
- Worked with a partner to add save/load features for all and single player/Ai mode for Tic-Tc-Toe.

WORK EXPERIENCE

Software Developer Coop, *Purple Rock Inc*, Victoria   May 2019 - Current

- Worked on automating data extraction by finding relevant data, processing it and saving in required format.
- Followed style guide, wrote good tests and documented well, making a scalable and maintainable project.
- Worked independently and in team.

General Worker, *University Food Services*, Victoria   Oct 2018 - April 2019

- Understood and solved guests' troubles.
- Occasionally, lead team and coordinated with managers.

EDUCATION

Bachelor of Software Engineering (7.71/9)   Graduation: 2023

University of Victoria, Victoria, British Columbia

ACHIEVEMENTS

- Achieved rank 1437.5 out of 4,623 students in Putnam Math Competition 2018.
- Ranked less than 25000 out of 1.5 million and less than 22000 out of 230 thousand examinees in JEE Mains and JEE Advanced respectively.
- Served as the captain for school chess team.