

Parv Mital

COMPUTER ENGINEERING · QUEEN'S UNIVERSITY

☎ (+1) 647-607-1664 | ✉ parv.mital@queensu.ca | 🏠 <http://parvmital.me/> | 💻 <https://ca.linkedin.com/in/parvmital>

Education

Queen's University

B.A.Sc. WITH PROFESSIONAL INTERNSHIP - COMPUTER ENGINEERING

- Awarded Dean's Scholar every year since 2013 - Present for academic excellence.
- Stand amongst the top 5 students in Computer Engineering since 2nd year.

Kingston, Canada

Sept. 2013 - Apr. 2018

Work Experience

Regression Manager, Advanced Micro Devices

DISPLAY IP VERIFICATION TEAM

- Recreated the reports website using BootStrap, HTML/JS and CSS.
- Implemented new features in the website where the progress for all the tests are automatically charted for better tracking. This implementation saved over 9 hours of manual work each week and updated the progress chart every 3 minutes.
- Helped in writing a Ruby script which parallelized the report generation. This sped up the report generation process by over 4-5 times.
- Automated the report generation process using Ruby and JSON which saved 4 hours a day for the team members.
- Implemented automatic metric comparisons of the two latest reports. The results were emailed to the team members for further inspection.
- Implemented and improved Ruby/Python/CSH scripts that assisted in better testing/debugging of regressions.
- Initiated the implementation of a new database schema that would better suit the team needs and speed up the website and daily testing.

Markham, Canada

May 2016 - July 2017

Teaching Assistant, Queen's University

APSC 142 (INTRODUCTION TO COMPUTING)

- Created and maintained the attendance and marksheet for each tutorial.
- Attended to the students and answered their questions.
- Assisted the professor in creating and marking quizzes.
- Assisted the students by providing guidance for concepts of programming in C.

Kingston, Canada

Jan. 2015 - Apr. 2015

Projects

ModBuddy

QHACKS (QUEEN'S UNIVERSITY)

- ModBuddy is a reddit moderator tool (chrome extension) that can detect and flag harassing and vulgar comments.
- The extension is built using JavaScript and the content filtering is done through a machine learning algorithm using Indico API.
- The neural network is trained by supplying a large amount of data in the form of words, phrases and sentences. The trained network has an accuracy of 0.993.
- Users are notified of the offensive content count as soon as they open a webpage, and the content is highlighted for them.
- The extension's testing website was hosted on Amazon Web Services.

Kingston, Canada

Feb. 2017

QBnB (Hospitality Service)

CMPE 332 (DATABASE MANAGEMENT SYSTEMS)

- QBnB is an iPhone application that would help the Queen's Alumni enabling people to lease or rent short-term lodging.
- Privileged users can post their accommodation for rent on QBnB, along with standard user's ability to request a short-term lease.
- The back-end is written in MySQL and the front-end is written using PHP, Xcode and HTML.

Kingston, Canada

Jan. 2016 - Mar. 2016

MiniSRC Computer System

ELEC 374 (DIGITAL SYSTEMS ENGINEERING)

- Designed a 3-bus architecture miniSRC computer system in VHDL using Cyclone V FPGA and Altera Quartus II.
- The system is implemented with all the basic arithmetic, logical, branch, jump, load and store instructions.

Kingston, Canada

Jan. 2016 - Mar. 2016

Skills

TECHNICAL SKILLS

- Programming Languages: C++ (primary), Java, C Sharp, C, .NET
- Scripting Languages: Ruby, MATLAB, Python, CSH, R
- Web Development Tools: PHP, HTML5, CSS, JavaScript, BootStrap, Ruby on Rails
- Database Models: MySQL (primary), PostgreSQL
- Environments / Operating Systems: Linux/Unix, Windows, Microsoft Visual Studio, MATLAB, BlueJ, NetBeans, Eclipse, CodeBlocks
- Repository Tools: Tortoise SVN, Perforce, Git