

Parv Mital

COMPUTER ENGINEERING · QUEEN'S UNIVERSITY

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Summary

I am a Computer Engineering student at Queen's University. Recently, I have finished a "Display IP Verification Internship" at AMD, Markham. Some of the interesting projects I have built are: MiniSRC computer system, WebApplication to share rides, WebApplication for personal money management and Chrome Extension to stop online harrasment. I also love to attend hackathons and tech conferences.

Education

Queen's University

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

- Awarded Queen's University Excellence Scholarship in 2013.
- Awarded Dean's Scholar every year since 2013 - Present for academic excellence.

Kingston, Canada

Sept. 2013 - April 2018

Work Experience

Display IP Verification Team, AMD

DISCRETE GRAPHICS INTERN (REGRESSION MANAGER)

- Recreated the reports website using BootStrap, HTML/JS and implemented new features which sped up the development process.
- Automated the report generation process using Ruby and JSON
- Constantly upgrade and maintain the internal website and database.
- Implemeted and improved Ruby/Python/CSH scripts that would assist in better testing/debugging of regressions.
- Mentored new interns and assisted them in learning the entire setup.

Markham, Canada

May 2016 - July 2017

Queen's University

APSC 142 (INTRODUCTION TO COMPUTING) TEACHING ASSISTANT

- Attended to the students and answer their questions.
- Helped the professor in creating and maintaining the attendance and marksheet for each tutorial.
- Assisted the professor in creating and marking quizzes.
- Assisted the students in grasping and understanding the concepts of basic programming.

Kingston, Canada

Jan. 2015 - April 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 filtering of content is done after analyzing the text through a machine learning algorithm implemented using Indico API and 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 developed that would help the Queen's Alumni enabling people to lease or rent short-term lodging including vacation rentals, apartment rentals, homestays, hostel beds, or hotel rooms.
- The application was developed using PHP, Xcode, MySQL, HTML

Kingston, Canada

Jan. 2016 - March 2016

MiniSRC Computer System

ELEC 374 (DIGITAL SYSTEMS ENGINEERING)

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

Seoul, S.Korea

Jul. 2012

Skills

TECHNICAL SKILLS

- Programming: C, Java, C Sharp, C++, .NET
- Scripting: MATLAB, Ruby, Python, CSH, R
- Web Development: PHP, HTML5, CSS, JavaScript, BootStrap, Ruby on Rails
- Database: MySQL, PostgreSQL
- Environments / Operating Systems: Linux/Unix, Windows, Microsoft Visual Studio, MATLAB, BlueJ, NetBeans, Eclipse, CodeBlocks