Raghav Sethi

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SKILLS

- Ability to create dynamic website's front-end using HTML5, CSS, JS/TS, Bootstrap, React and Backed in PHP, Node, Python, Ruby.
- Working with CMS like Wordpress, Laravel, Drupal, Shopify and Ruby on Rails.
- Writing scripts using python/bash to process text, log, csv files.
- Use Git/GitHub for collaboration, version control and hosting software.
- OOP in C++/Python to design software(games) leveraging Design Patterns (observer, MVC etc) with GUI and automatic learning algorithms.
- Maintain mySQL, PostgreSQL, MongoDB Databases and building efficient SQL queries
- Professionally using Microsoft Office, Basecamp, LightRoom, Pinnacle Studio, Audacity.

ACTIVITIES

Computer Science Club Treasurer/Librarian
Actively coordinated club's logistics and many events.

Hack the Six
Won 3rd prize from Vena Solutions for developing python script to gather tweets from internet and output graphs/statistics showing a song's lyrics within tweets.

Portal Hackathon
Won 2nd prize from developing a marketplace for lost/found items, books etc. for uwaterloo students on portal app.

EDUCATION

UNIVERSITY OF WATERLOO
Bachelors of Mathematics
Expected Aug 2021 | Waterloo, ON

UDEMY.COM
Complete Web Developer Bootcamp (Colt)
Flutter & Dart (Maximilian)

LINKEDINLEARNING.COM
Learning Path
(Become a full stack Developer)

EXPERIENCE

FULL STACK WEB DEVELOPER | Lumened
Jan 2020 – Apr 2020 | Kitchener, Ontario

- Deployed BigBlueButton on test servers (AWS, DigitalOcean) and customised the functionality using Ruby on Rails to company specifications.
- Written python/bash scripts to generate various user statistics from server logs in csv, XML, txt formats
- Developed a booking system (Tutor Marketplace) using Woocoomerce and resizing its functionality to company needs.
- Built a time-sheets plugin for Wordpress using HTML, CSS, SASS, JS, JQuery, PHP highly customised to tutors marketplace and tutor partners.
- Regularly checked and fixed security vulnerabilities, SQL Injections, Query optimisations and other customer troubleshooting.
- Participated and contributed in (Velocity Incubator) wide tech meetings while innovating new technologies for my company and getting code to production.

INSTRUCTIONAL SUPPORT ASSISTANT (ISA) CS247/137/136/115
David R. Cheriton School of Computer Science
Aug2018 – Dec 2019 (16 mos), | Waterloo, Ontario

- Facilitated student learning and understanding (relating OOP C++/Python, Software design patterns, Algorithms, Data Structures, Pointers, Memory Management etc.) during lectures tutorials and answered any questions.
- Created testing scripts to test 900 code submissions, marked assignments/projects and provided constructive feedback for all aspects of code correctness/quality.
- Designed new course webpage (Bootstrap, JS) for CS115/247, improving overall aesthetics and utility of webpage for students and course staff.

GRADUATE INSTRUCTIONAL SUPPORT ASSISTANT MATH642
Faculty of Mathematics, University of Waterloo
Jan2018 – Apr 2018 | Waterloo, Ontario

- Marked, provided feedback for racket code based on its documentation, cleanliness, code complexity and efficiency up to academic standards.
- Actively answered any questions relating to course content or general concepts in computer science and programming.
- Proven ability to catch bugs, explain the underlying reasons and helped students to debug the code.

PROJECTS

CHAMBER CRAWLER 300+/TETRIS/CHESS/MAZE C++ Games

- Leveraged OOP concepts, software design patterns (MVC, Observer, Visitor, NVI etc), Memory Management, Smart Pointers.
- Prepared UML and design document for software.
- Used Xwindow and Ncurses libraries to implement GUI and keyboard controls.

TERMINAL BASED EMAIL CLIENT | C++ Software

- Developed an email client to be used within terminal.
- Completely used RAII, smart pointers, tested with valgrind.