Sehaj Gupta

sehajgupta.github.io
sehaj.gupta@uwaterloo.ca
www.linkedin.com/in/sehajgupta
https://github.com/sehajgupta

Skills

Drupal, PHP, Scala, C++, C, Assembly, Python, Hadoop, Bash, HTML, CSS, JS, Scheme

Work Experience

CENTRE FOR TEACHING EXCELLENCE | SOFTWARE DEVELOPER   *SEP - DEC 2017*

- Developed a custom module independently in Drupal using PHP for the Waterloo Content Management system to implement a way to catalog data like Teaching Stories and make them more user friendly.
- Collaborated with a UI/UX specialist and made key design decisions about content structure and appearance on websites.
- Github Repository: https://goo.gl/nS4BzS

WIPRO | DATA SCIENCE INTERN   *JUN - AUG 2016*

- Shadowed the Decision Analytics & Real Time Strategy project team in Airtel, the biggest telecom company in India with over 300M subscribers.
- Technologies used: Hadoop, Hive, JIRA, Ab-Initio
- Stored and analyzed over 7 Tb of data accumulated everyday with the team.

Projects

MIPS Assembler
- Implemented in Scala to convert assembly language code to Binary.

CC3k | Game based on Dungeons and Dragons / Rogue

- Features included multiple NPC's with different characteristics.
- Coded in C++ from scratch using the STL and key design patterns in a team of 3.

Lights Out | Retro game implemented in C++

- Objective is to turn off all the lights on a square grid, where switching a light toggles its four neighbouring lights.

2048 Web-app UWaterloo Edition | The classic game with a twist

- Based on the popular mobile game. Instead of going through the multiples of 2, the game cycles through life stages of a goose.

Awards

- **Fundamentals in University Teaching** certificate achieved after hosting 3 micro-teaching sessions and several workshops on presentation skills in 2017.
- **Microsoft** Tuition scholarship awarded in recognition of demonstrated passion for tech, academic excellence and leadership in 2017.
- The **University of Waterloo** President's Scholarship of Distinction awarded to students with admission average above 95% in 2016.

Education

- University of Waterloo, Canada - Bachelors in CS with Co-op.