

Sehaj Gupta

sehaj.gupta@uwaterloo.ca | sehajgupta.github.io | 647.676.0116 | LinkedIn & Github : //sehajgupta

SKILLS PHP, Drupal, Scala, C++, C, Assembly, Python, Hadoop, Bash, JS, Scheme.

EXPERIENCE

Software Developer Sep - Dec 2017
CTE, University of Waterloo

- Developed a custom module in Drupal using PHP for the UWaterloo CMS to implement a way to catalog articles and make them more user friendly. (GitHub Repo: <https://goo.gl/nS4BzS>)
- Collaborated with a UI/UX specialist and made key design decisions about content structure and appearance on CTE websites.

Data Science Intern Jun - Aug 2016
Wipro, India

- Shadowed the Decision Analytics & Real Time Strategy project team for Airtel and worked with the team to securely store and analyze over 7 Tb of data for targeted advertising and cost reduction.

PROJECTS

MIPS Assembler

- Coded in Scala to convert MIPS code into tokens, then doing an error check and outputting the appropriate machine language in binary.

CC3K | Command Line Game

- Coded in C++. Game has multiple player characters and non-player characters. Objective is to get through 5 floor and collecting gold on the way.

Lights Out | Command Line Game

- Coded in C++. Objective of the game is to turn off lights on a square grid where toggling a light results in neighbors being toggled.

AWARDS

Fundamentals in University Teaching, CTE Dec 2017

- Awarded after hosting three teaching sessions and participating in several workshops on teaching and presentation skills.

Microsoft Tuition Scholarship, Microsoft Mar 2017

- Awarded in recognition of demonstrated passion for tech, academic excellence and leadership.

President's Scholarship, University of Waterloo Sep 2016

- Awarded to students with average about 95%.

EDUCATION *Bachelor of CS Co-op, University of Waterloo, Canada, expected May 2021*