Prantar Bhowmik

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EDUCATION

University of Toronto
Toronto, Ontario
Bachelor of Science
Expected class of 2019

COURSEWORK

Linear Algebra
Theory of Computation
Software Design

SKILL SET

Proficient:
Java, C++, HTML, CSS, JavaScript, Python, PHP, Bash

Knowledgeable:
Source control, RESTful API, Algorithms, Data Structures, Agile Development, Software Development Patterns

AWARDS

3rd Place: FinanceHacks
University of Toronto
January 2016
- Made website which scans a product barcode and informs user of environmental cost
- Used: HTML, CSS, Python, Git, Bloomberg API

Finalist: MHacks
University of Michigan
October 2016
- Finds relevant articles for trending topics in news and congregates, analyzes, and summarizes articles, shows social media reaction, and generates links for further reading

Used: Python, Microsoft Cognitive API Services, Twitter API, HTML, CSS, Angular, Git

EXPERIENCE

TEACHING ASSISTANT — University of Toronto
Toronto, ON — 2016 to Present
- Taught CSCA08 (Intro to Computer Science I) about fundamental programming concepts such as – conditional statements, loops, and Object-Oriented Programming to a group of over 30 students
- Posted tutorial materials on personal website, invigilated exams, participated actively in course Piazza forum, and held office hours and seminars to facilitate learning and address concerns

I.T. ASSISTANT — St. Joseph's Health Center
Guelph, ON — 2013 to 2013
- Set up and troubleshot hardware/software problems and reduced downtime by over 5% for multiple users
- Wiped and imaged multiple obsolete computers and connected them to the company's primary servers
- Communicated with co-workers to solve problems and to prevent future occurrences both remotely and through in-person meetings

PROJECTS

PRANTAR .ME CHROME EXTENSION — 2016
- Checks and informs users of any recent updates to personal site
- Used HTML, JavaScript, JSON, and became familiar with the Chrome API

PI TEMPERATURE — 2016
- Records the temperature of the board of the Raspberry Pi
- Used Bash to get the time, Pi temperature and record the data

LINGO — 2013
- A single player/multiplayer game consisting of several mini-games
- Created in Java using the Java Swing GUI framework

LEADERSHIP

COMPUTER SCIENCE ENRICHMENT CLUB — University of Toronto
System Administrator, Lecturer, Co-founder — 2016
- Managed the back-end of the club's website
- Created solution code to some of the questions presented to the club members in order to provide a guide to solving problems
- Taught a group of over 200 University students competitive programming concepts in C++

ASSOCIATION OF MATH AND CS STUDENTS — University of Toronto
Executive member — 2016
- Organized events ranging from review seminars to gaming nights
- Helped explain key computer science topics to students in need