

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

Toronto, ON

University of Toronto

2016 to Present

- Taught CSCA08 (Intro to Computer Science I) and CSCA48 (Intro to Computer Science II) about programming concepts such as—Object-Oriented Programming and data structures to 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

Guelph, ON

St. Joseph's Health Center

2013 to 2013

- Set up and troubleshoot 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

System Administrator, Lecturer, Co-founder

University of Toronto

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

Executive member

University of Toronto

2016

- Organized events ranging from review seminars to gaming nights
- Helped explain key computer science topics to students in need