

# Prantar Bhowmik

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GITHUB [github.com/bhowmikp](https://github.com/bhowmikp) · PORTFOLIO [www.prantar.me](http://www.prantar.me) · LINKEDIN [linkedin.com/in/Prantar](https://www.linkedin.com/in/Prantar)

## EDUCATION

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

## COURSEWORK

Intro to Algorithms  
Software Design  
Operating Systems

## SKILL SET

### Proficient:

Java, C++, HTML, CSS, JavaScript,  
Python, Django, Bash

### Knowledgeable:

Source control, RESTful API, PHP,  
Algorithms, Data Structures, Agile  
Development, Software Design  
Patterns

## AWARDS

### 3<sup>rd</sup> 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

### SOFTWARE DEVELOPER

Toronto, ON

University of Toronto

2017 to Present

- Led the back-end development of a web application which employed Django and SQLite to aid instructors and grade students
- Worked on the RESTful API that interacts with the front-end

### TEACHING ASSISTANT

Toronto, ON

University of Toronto

2016 to Present

- Taught CSCA08 (Intro to Computer Programming) and CSCA48 (Intro to Computer Science) 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

### PASSWORD GENERATOR

2017

- Creates and stores cryptographically secure password for accounts
- Included unit testing and created a GUI to make the app user friendly

### 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 on the Raspberry Pi
- Used Bash to get the time, Pi temperature and record the data

## LEADERSHIP

### COMPUTER SCIENCE ENRICHMENT CLUB

System Administrator, Lecturer, Co-founder

University of Toronto

2016 to Present

- Managed the back-end of the club's website
- Created solution code to some of the questions presented to the club members, to provide a guide to solving problems
- Taught a group of over 200 University students competitive programming concepts in C++