



# Computer Science Enrichment Club

2017-2018 Orientation

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# ***CSEC***

## ***Who we are***

The Computer Science Enrichment Club is a student-run group at the University of Toronto Scarborough.

We focus on enriching the CS experience for students across the University of Toronto through engaging tech seminars, competitions, and workshops.

We also run three subdivisions of Algorithms, Web Development, and Computer and Network Security.

The best part? It's all free.





# CSEC

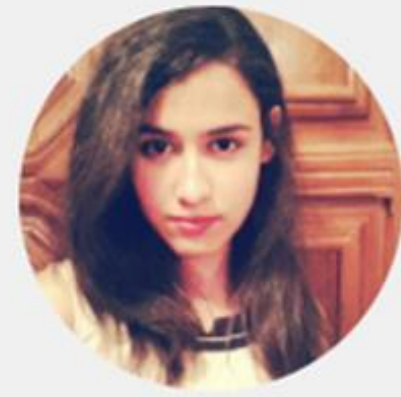
## Meet the Team



**Brian C.**  
President



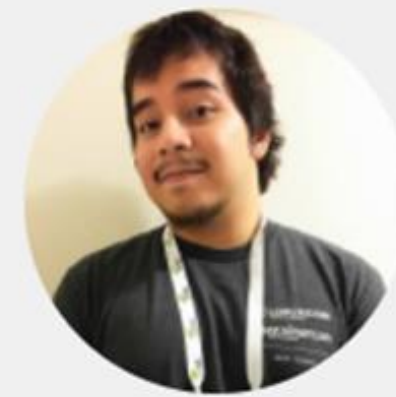
**Prantar B.**  
Sys. Admin



**Saba K.**  
Director of Internal Affairs



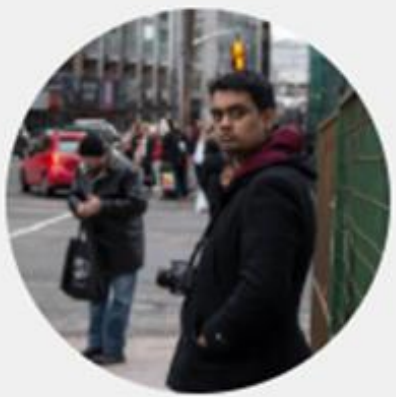
**Samiul H.**  
DevOps Engineer  
Director of External Affairs



**William G.**  
Algorithms Division Leader



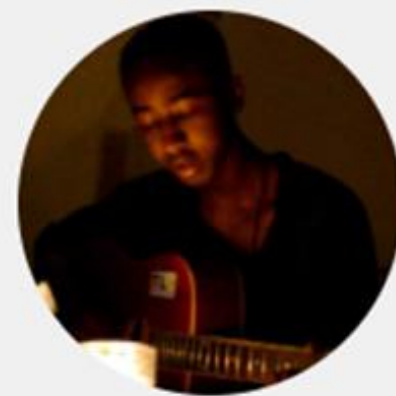
**Kelechukwu U.  
(KC)**  
Network Security Division  
Leader



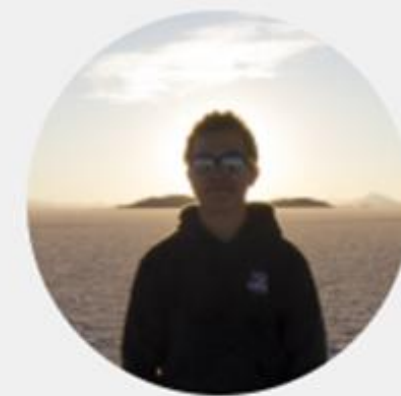
**Kohilan M.**  
Web Division Leader



**Akshay N.**  
Lecturer



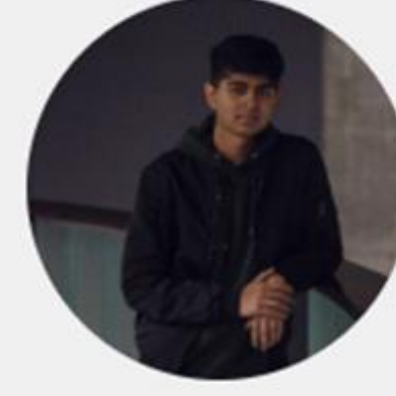
**Ousmane A.**  
Lecturer



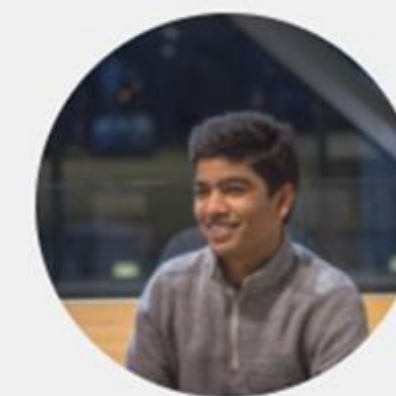
**Jason P.**  
Lecturer



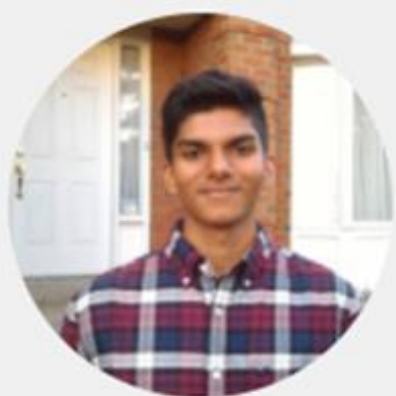
**Kevin S.**  
Operations  
Sys. Admin



**Abhay V.**  
Lecturer  
Designer



**Chintan S.**  
Lecturer



**Harsh P.**  
Lecturer

# **CSEC**

## ***Tech Seminars***



CSEC runs monthly tech-focused seminars on various topics.

Some of the topics we explored last year include:

- Job Searching and Internships
- PC Building
- Machine Learning
- Computer and Network Security
- Web Development



A person is shown from the side, leaning over a desk and working on a computer case. The case is open, revealing internal components like a motherboard, RAM, and a power supply. The person's hands are visible, and they appear to be focused on the task. The background is dark and out of focus.

# **CSEC**

## ***PC Building Seminar***

- Learnt about various components of PCs
- Addressed common arguments in Intel vs AMD / NVidia vs AMD
- Discussed common first PC build mistakes
- Live-built a \$1,000 PC with various parts and booted to Post



# **CSEC**

## ***Job Search Seminar***

- Learned about where to find Internship opportunities
- Uncovered interview processes with Big 4
- Practiced various interview questions and techniques
- Discovered various interview resources (CTCI, EPI, etc.)
- Tips from Guest Speaker  
Google SE Intern, Alex



# **CSEC** ***Subdivisions***

CSEC features three primary subdivisions which meet weekly:

## **Algorithms**

Study competitive programming and compete in coding challenges

## **Computer & Network Security**

Learn about Computer and Network Security and Hacking

## **Web Development**

Create your own website and learn web development fundamentals

A

S

W





# ***CSEC-A***

# ***Algorithms Division***

Learn about key approaches to problem solving and algorithms and tryout for the UTSC ACM-ICPC team. Solve problems, learn algorithms, and do contests!

- Data Structures
- Problem Solving Paradigms
- Greedy Algorithms
- Graph Theory
- Mathematics
- Network Flow
- Strings
- Computational Geometry

[algo.csec.club](http://algo.csec.club)

# **CSEC-S**

## ***Computer and Network Security Division***

Learn the basics of Computer and Network Security! We tackle various challenges and participate in Capture the Flag competitions a group throughout the year.

- Reverse Engineering
- Exploitation
- Networking
- Web Security
- Cryptography
- Steganography
- Countermeasures/Defenses
- Forensics
- Secure Programming

[security.csec.club](http://security.csec.club)







# **CSEC-W**

## ***Web Development Division***

Learn about the essentials to make, host, and deploy your own website from scratch.

Gain the skills to become a full-stack web developer!

- HTML/CSS Basics
- Using frameworks
- Learning Back-end/Front-end Web Dev
- Creating captivating Portfolio pages
- Deploying your own website
- Working with APIs

[web.csec.club](http://web.csec.club)



# **CSEC**

## ***Competitions and Events***



As a club of enthusiasts, we love challenges and competitions!

Member of CSEC attend all sorts of events from Hackathons to Coding Competitions. We also host our own events on a yearly schedule.

This year we plan to introduce:

**UTSCode II**

**Capture the Flag**



# **CSEC**

# ***UTSCode***

- UTSC's first annual Competitive Coding Challenge
- Held on mid-March
- 5 hours total running time
- Over 100 participants
- Over \$1,000 in prizes to be won
- Free food



A black and white photograph of a large group of people, likely students, gathered in a room. Many of them have their hands raised in the air, forming a circle. In the background, a woman is sitting at a desk, possibly a speaker or organizer. The overall atmosphere is one of excitement and participation.

# ***CSEC & AMACSS Hack the Valley***

- UTSC's first annual Hackathon
- Held on January 7-9<sup>th</sup> 2017
- Over 48 hours total running time
- Over 600 total participants from across Ontario
- Over \$5,000 in prizes to be won
- Free food and awesome swag



# **Contact Us!**



**csec.club**



**fb.me/csec.utsc**



**csec.utsc@gmail.com**



## **Questions?**

**Join our mailing list at:**  
**[bit.ly/2yJs6pX](https://bit.ly/2yJs6pX)**





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