

RUSHEEL SHAHANI

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SKILLS

- **Languages:** C/C++, Java, Javascript, Python, Assembly, HTML, CSS, Swift, JSON, XML, Bash, \LaTeX .
- **Frameworks :** Node.js, AngularJS, Restify, Express, Socket.io, OAuth2, Gulp
- **Tools:** Git, JMeter, Sublime Text, Vim, XCode, IntelliJ IDEA, WebStorm, AWS, Parse, Heroku, Azure
- **Databases:** MongoDB, Couchbase, Elasticsearch, Redis, SQL

EDUCATION

Candidate for Bachelor of Computer Science with Software Engineering Option (Fall 2014 - Present)
University of Waterloo • Waterloo, Ontario, Canada

Cumulative GPA: 3.7, 85%

Awards: Recipient of Presidents Scholarship · Recipient of Crawford & Company Scholarship

Ontario Secondary School Diploma (OSSD) (2011 - 2014)

John Fraser Secondary • Mississauga, Ontario, Canada

Cumulative Average: 94%

Awards: Deans Honors List, Academic Excellence Award in Mathematics of Data Management,
Second Place in Scholastic Decathlon Competition, Ontario Scholar Award

EXPERIENCE

Software Developer Intern (May 2015 - August 2015)

Air Miles Reward Program, LoyaltyOne

- Implemented and deployed a RESTful API using Node.js for processing transactions in Air Miles currency.
- Utilized distributed strategies and ACID principles to ensure that the payment processing was seamless, efficient and reliable.
- Performed load and stress tests using JMeter on Node servers, and databases such as Elasticsearch, Couchbase, Redis to improve performance and efficiency.
- Explored several big data tools such as Kibana, Spark, Hadoop, Databricks.
- Participated in an Agile test-driven development environment with biweekly sprints.
- Received outstanding rating in work term evaluation and appointed as Campus Brand Ambassador.

Computer Science Tutor (September 2013 - July 2014)

John Fraser Secondary

- Held tutoring hours for Grade 10 Computer Science students and assisted students with their programming assignments and test preparation while suggesting improvements and clarifying concepts as needed.
- Founded the Computer Science Scholars club to provide mentorship and assistance to all students.

Event Organizer (November 2012 - January 2014)

Teen Advisory Group, City of Mississauga

- Seamlessly planned, managed budgets, organized and personally hosted events for teens at community centers.
- Developed effective social networking, and print ad campaigns to promote events.

PROJECTS

Binge (<http://projectbinge.co>)

- Binge is a personalized newsreader app for iOS that was first built at MHacks 6, University of Michigan.
- Selected to compete for top honors in the 2016 Student Startup Madness National Championship.

Technologies Used: iOS (Swift) Node.js, Parse, Microsoft Azure, MongoDB, RSS, HTML/CSS, Sketch 3

ShoutOut (<https://github.com/rusheel/shoutout>)

- Shoutout is real-time social web app created using the MEAN stack that allows you to discuss and connect with other users.

Technologies Used: AngularJS, Node.js, Express, MongoDB, Socket.io, JSON Web Tokens, bcrypt, Heroku

ChamberCrawler

- Designed and developed a rougelike game in C++ with a partner as part of the final project of CS246.
- Utilized several design patterns such as MVC, Visitor, Observer, Factory to ensure code is highly flexible.

Technologies Used: C++, Valgrind, Git

IMDb Data Visualizer (<https://github.com/rusheel/imdb-data-visualizer>)

- Used OOP in Python and wrote several algorithms to efficiently extract, process and visualize IMDb data.

Technologies Used: Python, Tkinter(GUI)

INTERESTS

- **Technical Interests:** Machine learning, big data, mobile and web development, hackathons
- **Other Interests:** Model United Nations, Rotaract club, CS Club, badminton, swimming