

Suraj Rampure

Education

University of California, Berkeley

Aug. 2016 - Present

Berkeley, CA

B.S. - Electrical Engineering and Computer Science

Coursework: Structure and Interpretation of Computer Programs, Discrete Math and Probability Theory, Calculus (in progress); Data Structures, Designing Information Devices and Systems, Linear Algebra (planned)

Vincent Massey Secondary School

Sept. 2012 - June 2016

Windsor, ON, Canada

Class president. 92% cumulative average in the rigorous Enriched program.

Coursework: Computer Science, Calculus and Vectors, Data Management

Projects

iPaint - Python + Pygame

Dec. 2013

A fully-functional graphic design application, including painting, typing, flood-filling and filtering functionality.

Textris - Java + Swing API

June 2015

A polished remake of Tetris in which users must enter text commands into a command line in order to control their falling tetrominoes.

Digital Jams - HTML, socket.io, node.js

March 2015

A web application that allows users to play with a piano and soundboard simultaneously along with their friends - everyone hears what everyone else is playing. Created at HackWestern 2015.

Shades of Grey - iOS

Feb. 2015

An experimental iOS app that calculates the number of unique shades of grey that are in an image. Created at McHacks 2015.

Experience

Vincent Massey Student Council - President, Grade Rep.

Sept. 2014 - June 2016

Helped the school see its most spirited year in a long time, with exceptional turnout and participation in events (many of which were ran for the first time). Recipient of the **Student Council Leadership Award** at graduation.

Computer Science Club - Teacher, Hackathon Organizer

Sept. 2013 - June 2016

Taught a class of freshman students the fundamentals of programming in Python for two hours a week (Gr. 12). Was a **head hackathon organizer** (and second-in-command) for the first Canadian MLH-sanctioned high school hackathon, MasseyHacks. **Ran an Hour of Code event** for elementary school children (Gr. 11-12).

Windsor Math Enrichment Program - Teacher, Student

July 2009 - June 2016

Travelled with the team to the ARML national competition as a part of Team Ontario (Gr. 10-12). **Taught several lessons** to younger students (Gr. 11-12), as a leader of the group.

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Technical Knowledge

Languages

Proficient: Python, Java

Familiar: C++, Swift, Javascript, HTML, CSS

Frameworks, Libraries, and Tools

Proficient: JavaFX/Swing, Bash, Sublime Text, Sketch 3, Pixelmator/Photoshop, Git/Github

Familiar: XCode, node.js

Personal Skills and Interests

Skills: Public speaking, problem solving, organization, management, teaching

Interests: UI/UX design, hackathons, cars and automotive multimedia systems design, public speaking and debate

Awards

Invited to University of Waterloo's "Exploring Math and CS" Workshop

October 2015

For exceptionally high scoring Gr. 11 students on the 2015 CEMC Euclid contest

Gord Caldwell Leadership Scholarship and Jessica Lei Memorial Scholarship

June 2016 (Graduation)

Awards given to a student who demonstrates leadership, academic strength and overall character each year, in memory of a deceased teacher and student respectively

University of Waterloo National Scholarship

May 2016

Offered one of twenty \$20,000 scholarships by the University of Waterloo for applicants in Math and Computer Science

Academic Award - Gr. 9 Enriched Mathematics & Gr. 11 Enriched Functions

2013, 2015

Presented to the top performing student in each course at VMSS

Competitions

- Top 3%, Euclid Mathematics Contest (Gr. 12)
- Top 10%, AMC 12B (Gr. 12)
- Top 3%, Fermat Contest (Gr. 11)
- 1st Place, Junior Canadian Computing Competition (Gr. 10)