Suraj Rampure

Education

University of California, Berkeley

Berkeley, CA   **Aug. 2016 – Present (Expected 2020)**

B.S. – Electrical Engineering and Computer Science, Math Minor;

CS/Math GPA: 3.77

Completed Coursework: Calculus, Structure and Interpretation of Computer Programs, Discrete Math and Probability Theory

In Progress: Data Structures & Algorithms, Linear Algebra, Numerical Analysis, Designing Information Devices

Vincent Massey Secondary School

Windsor, ON   **Sept. 2012 – June 2016**

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

Experience

UC Berkeley EECS Department – **Tutor, Data 8**

Berkeley, CA   **Jan. 2017 – Present**

- Holding weekly tutoring sessions and office hours for introductory data science course
- Helping develop course website and supplementary Python packages, assignments and other course infrastructure

Computer Science Mentors @ Berkeley – **Junior Mentor, CS 70**

Berkeley, CA   **Jan. 2017 – Present**

- Leader of weekly mentoring sessions for students in Discrete Mathematics and Probability Theory for Computer Science

VMSS Computer Science Club – **TA, Hackathon Organizer**

Windsor, ON   **Sept. 2013 – June 2016**

- Taught a class on Python programming to freshman students
- Head organizer for first ever Canadian MLH high school hackathon

Projects

NBA Analytics Suite (Python, Java)   **Jan. 2017 – Present**
A set of tools to predict patterns in seeding based off of historical rankings.

Scheme Interpreter (Python)   **Nov. 2016**
A Scheme interpreter built in Python. Includes tail recursive functionality.

"Textris" – Command Line Based Tetris (Java)   **June 2015**
A version of Tetris where tetrominoes are controlled by text shortcuts.

Collaborative Piano (HTML, socket, node)   **March 2015**
"Digital Jams" – allows users to play with a piano online along with their friends – everyone on the site hears the same thing.

Graphic Design App. (Python)   **Dec. 2013**
"iPaint" – included painting, text, recursive flood-filling and filtering.

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Languages
Proficient: Python, Java, LaTeX
Familiar: C++, Scheme, MATLAB, Swift, HTML, CSS, Javascript, SQL

Frameworks, Tools
Proficient: Swing/JavaFX, Bash, Git/GitHub, Sublime Text, Pixelmator/Photoshop, Sketch 3, Jupyter/iPython
Familiar: XCode, node.js, socket.io, NumPy

Awards

- Top 3% in Canada, Euclid Mathematics Contest (15,000+ participants)
- Top 10% in the AMC 12, 2015, 2016
- Student Council Leadership Award, Gord Caldwell Leadership Scholarship and Jessica Lei Memorial Scholarship (June 2016)
- Invited to University of Waterloo's "Exploring Math and CS" Workshop (October 2015)

Personal Interests
UI/UX design, music production, photography, public speaking and debate, teaching, cars