Sid Gupta

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Education

University of Toronto – 3.44 / 4.00 Cumulative G.P.A; 3.6 Major G.P.A   *September 2017 – April 2021*

- Bachelor of Science, Double Major: Computer Science and Cognitive Science; Minor in Mathematics

Skills and Languages

Proficient:	● Java	● Python	● JavaScript	● React, Redux	● HTML/CSS	● Git
Familiar:	● NodeJS	● Express	● MongoDB	● WebSocket	● Socket.io	● Flask

Experience

Knowtworthy – Co-founder & Full Stack Developer   *November 2017 – Present*

- Engineered the full-stack of a web application from scratch, with laying out new ideas, building web-pages and servers, testing features with over 100 real users, and iterating to optimize UI and functionality
- Designed UX optimized webpages in React and Redux that are feature-rich, have many communicating components, and provide powerful functionality
- Wrote back-end server endpoints that interact with a MongoDB database to efficiently process data in the application
- Member of a University of Toronto start-up accelerator (The Entrepreneurship Hatchery); placed against the top 14 teams in the annual "Demo Day" competition and **won 2ⁿᵈ place, winning $10,000 in company funding**

University of Toronto – Web Developer for Courseography   *January 2018 – April 2018*

- Refactored JavaScript code in an open-source project to utilize the ReactJS library for a more organized implementation
- Attended weekly code review sessions with the team to present work done and offer advice to other programmers

Highlighted Projects (See http://sidgupta.ca for details)

Orion Data, JavaScript using React, Redux, WebSocket – Hack the North 2018   *September 2018*

- Web application that analyzes the facial emotion of a user watching a video, and then recommends new videos for the viewer, as well as provides analytics to the content creator to show how his/her audience feels when watching
- Set up real-time webcam streaming using WebSockets, stored data in a real-time database, and arranged API requests

Sentiment, JavaScript using React, Redux, Node – Hack the 6ix 2018   *August 2018*

- Collaborated to develop an application that transcribes a conversation in real time, and also visualizes the sentiment of each discussion member with graphs (populating overall irritation / dispute levels)
- Set up a pipeline that streams audio in real-time to a back-end, and also built webpages that visualize the processed data
- **Won 1st place out of over 65 submitted projects** at Toronto's largest summer hackathon after pitching to hundreds

AutoNote, Python using Microsoft Computer Vision A.P.I – Electric City Hacks 2017   *November 2017*

- Worked with two teammates to develop a machine learning program that generates notes from a whiteboard video
- Wrote algorithms that would parse and store the frames of a video, store results given from the A.P.I, and determine the points in a video when the whiteboard was most full
- Winner of ***Best Use of Project Management* award** and ***Wolfram One* award; placed in top 15 hacks**

Moon Grounder, Processing / Java   *February 2017*

- Developed a 'lunar lander' type game where the user tries to land a rocket ship on randomly generated levels
- Applied mathematics to construct each unique level, with a precise use of geometry and trigonometric calculations