

Gayatri Sawant

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EDUCATION

RICE UNIVERSITY

May 2021

BS IN COMPUTER SCIENCE

Minors: Data Science, Mathematics

GPA: 3.66 / 4.0

UWCSEA - SINGAPORE

May 2017

IB DIPLOMA

COURSEWORK

Advanced Object Oriented
Programming

Practical Data Science

Parallel Programming

Intro to Systems

Program Design and Data Structures

Algorithmic Thinking

Statistics for Data Science

Fundamentals of Computer

Engineering

Linear Algebra

Business Communications

SKILLS

PROGRAMMING

Languages:

Java • Python • Javascript • R • SQL •

LaTeX • C • C++ • CSS

Tools:

React/ReactNative • Angular •

Git/SVN/Mercurial • Jupyter Notebook

• Anaconda/Pandas

LANGUAGES

English • Marathi • Hindi • Spanish

LEADERSHIP

- Trained a class of 30 migrant workers in Singapore in computers to improve job qualification

- Led a 100-student conference in Timor Leste, in Asia, on social development

- Worked in Epic Arts, Cambodia to explore art skills for the differently-abled

- Traveled to 40+ countries across the globe to understand international culture

- Student Representative for college

- Organized orientation-week for remote incoming students

EXPERIENCE

THOUGHTTRACE | DATA SCIENCE SUMMER INTERN

May 2020 - July 2020

- Applied statistical and algebraic techniques to improve page feature recognition (maps, stamps, signatures, forms)
- Improved page feature by 112% for maps and implemented systems to identify stamps and forms which were previously unidentified.
- Presented demo of completed project to audience of 50+ full-time engineers.

HARBINGER LLC | MACHINE LEARNING SUMMER INTERN

May 2019 - August 2019

- Boosted Question Generation and Question Answering by hyper-parameter tuning and creating new neural networks.
- Improved Question Generation by 10% by formulating new NLP processes and wrote professional-level documents for the same.

CANARYS AUTOMATION | SOFTWARE ENGINEERING INTERN

May 2018 - July 2018

- Developed an app to perceive user emotions based on facial movement with a team of 4 employees.
- Collaborated with other developers to identify and alleviate the number of bugs and errors in software.
- Spearheaded the design and setup of micro services in Docker to meet client requirements for functionality, scalability, and performance.

RICE UNIVERSITY | TEACHER'S ASSISTANT

August 2018 - December 2018

- Mentored students through office hours and 1-on-1 communication.
- Assisted faculty with clerical tasks such as correcting papers, collecting assignments, and preparing materials for upcoming classes.
- Organized review sessions before exams.

RICE APPS | DEVELOPER

August 2017 - May 2019

- Updated and redesigned a website for conducting elections within Rice University.
- Developed, with a 6 student team, Beak Speak, a Yik-Yak style, anonymous experience app.
- Managed all aspects of a mobile app life-cycle (9-month) from research and planning through deployment and post-launch support (Beak Speak)

RESEARCH

DR. DEVIKA SUBRAMANIAN | RESEARCH ASSISTANT

Dec 2018 - May 2020

- Conducted research in the breadth of the anti-vaccination discussion on twitter with a team of 4 undergraduates and faculty.
- Performed statistical, qualitative, and quantitative analysis on a twitter dataset of 3 million to map the discussion network.
- Previous Topic: Negative Sentiment Analysis of 10-K's to find a positive relationship between the use of positive words and a long term increase in the stock prices of a company.