

# Shashank Sundar

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## EDUCATION

### RENSSELAER POLYTECHNIC INSTITUTE

*B.S. in Computer Science, GPA: 3.53/4.00*

**Troy, NY**

**Class of 2020**

**Relevant Coursework:** Machine Learning from Data, Computational Vision, Distributed Systems & Algorithms, Data Mining, Design & Analysis of Algorithms, Parallel Programming & Computing, Database Systems, Numerical Computing

## WORK EXPERIENCE

### OPTUM

**Boston, MA**

*Technology Development Intern*

**June 2019 – August 2019**

- Used React & Node.js to improve a web application used by fraud investigators to gather information via Elasticsearch.
- Designed and constructed a dashboard using Tableau to aid managers in making business decisions concerning a company-wide move towards fixed-funding.

### ARGUS INFORMATION & ADVISORY SERVICES

**White Plains, NY**

*Data Applications and Solutions Intern*

**May 2018 – August 2018**

- Automated various procedures using SQL via SQL Server and VBA Excel macros in order to increase efficiency.
- Learned how to effectively handle large amounts of data, as Argus controls nearly 95% of the US credit card market.
- Helped increase efficiency in previously created stored procedures in order to speed up the processing of various banks' data.

### RENSSELAER POLYTECHNIC INSTITUTE

**Troy, NY**

*Undergraduate Mentor, Programming Languages & Beginning Programming for Engineers*

**August 2019 – Present**

- Hosted weekly office hours to help students with the course material ranging from lambda calculus to concurrent programming (*Programming Languages*) as well as creating programs using MATLAB (*Beginning Programming*).
- Helped teaching assistants in grading exams and homework as well as generating assignments.

## PROJECTS

- **Shuttle Tracker:**
  - Used Go and Vue.js to track shuttles on their routes and display live data on web portal and iOS app.
- **Predictive Member Engagement:**
  - Designed a model and employed Python random forest machine learning algorithm to identify at-risk health insurance customers in order to proactively reach out and avoid escalatory behavior.
- **Crib Coordinator:**
  - Created an Android application with Java to manage people sharing a home. Built a PHP API to handle requests.
  - Users could invite and remove members from their house, create and assign chores that needed to be completed, and schedule events.
- **GradeMe:**
  - Used Python, OpenCV, and other computer vision paradigms to grade images of handwritten exams.
- **Test Code Editor:**
  - Constructed a text editor for students to use during programming exams.
  - Used a Django framework to prevent cheating and submit answers.

## SKILLS

- **Programming Languages:** Java, Python, C, C++, SQL, MATLAB, JavaScript, PHP, Prolog, Haskell, VBA
- **Frameworks:** PyTorch, Vue, React, CUDA, Django
- **Experienced with:** Git, LaTeX, Tableau, Microsoft Office, Autodesk Inventor

## ACTIVITIES/AWARDS

- Member of Upsilon Pi Epsilon, the International Honor Society for Computer and Information Science
- Rensselaer Polytechnic Institute Rowing Team
- Founding Father and Fundraising Committee Chairperson of Tau Kappa Epsilon Gamma Epsilon chapter
- Dean's Honor List for 5 consecutive semesters