

# ASHWIN CHITOOR

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## EDUCATION

### Rensselaer Polytechnic Institute, School of Science

*Bachelor of Science, Computer Science*

*Minor, Business Management*

GPA: 3.79, Dean's Honor List: Fall 2019, Spring 2020

<u>Relevant Coursework:</u>	Data Structures	Foundations of Computer Science	Computer Organization
	Introduction to Algorithms	Operating Systems	Principles of Software
	Database Systems	Network Programming	

**Troy, NY**

*Anticipated Grad. May 2022*

## SKILLS

**Programming Languages:** Java, C++, C, HTML/CSS, JavaScript, Python, MIPS/Assembly, LaTeX

**Tools/Frameworks:** React, Angular, Bootstrap, Node.js, Express, Git, Linux, Bash, Twilio, Akka, JUnit

## EXPERIENCE

### Alert Innovation

**North Billerica, MA**

*RCS Software Engineer Intern*

*June 2020 – August 2020*

- Support Java development of robot control system using reactive microservices
- Develop Event-Driven Distributed Systems using asynchronous actors and messaging
- Create software unit-tests, integration tests, and acceptance tests using Junit
- Work within an Agile environment

### RPI Advising & Learning Assistance Center

**Troy, NY**

*Data Structures Tutor*

*January 2020 – Present*

- Help students currently enrolled in Data Structures through code review, debugging, etc.
- Teach DS concepts such as vectors, linked-lists, trees, hash-tables, etc.

### Analog Devices

**Wilmington, MA**

*Robotics Software Engineer Intern*

*July 2018 – August 2018*

- Designed, built, and programmed robot to test ADI sensors
- Completed full product analysis of micro-controller board prior to release

### Kumon

**Billerica, MA**

*Assistant Instructor*

*September 2015 – August 2019*

- Assisted children from kindergarten to 12<sup>th</sup> grade in program of over 40 participants
- Corrected homework and classwork

### FIRST Robotics Team FRC 4909

**Billerica, MA**

*Software Lead*

*September 2015 – June 2019*

- Worked with vision tracking, motion profiling and PID controllers
- Taught younger members Java and OOP basics

## PROJECTS

### Poll Buddy

*Rensselaer Center for Open Source (RCOS) Member*

- Developed an online polling platform for use by RPI faculty and students
- Tech Stack: React, Node.js, Express, MongoDB

### Chat Bubble

- Built a web-app that allows users to send and receive messages to a phone number
- Tech Stack: Angular, Node.js, Express, Twilio API

### CourseHub

*HackRPI 2019*

- Created an automatic lecture recording system for use by RPI faculty
- Lectures would automatically record and uploaded to web-app for students to view after class
- Tech Stack: Python, Flask, Google Storage, Raspberry Pi 3

### Personal Website

- Produced a personal website to showcase projects and experiences
- Tech Stack: HTML, CSS, Bootstrap