

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

Present – 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

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

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.

Kumon

Billerica, MA

Assistant Instructor

September 2015 – August 2019

- Assisted children from kindergarten to 12th 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

- Developed a web-app that allows 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

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