ASHWIN CHITOOR

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EDUCATION

Rensselaer Polytechnic Institute, School of Science   **Troy, NY**
Bachelor of Science, Computer Science   *Anticipated Grad. May 2022*
Minor, Business Management
GPA: *3.84,* Dean's Honor List: *Fall 2019, Spring 2020, Fall 2021*

Relevant Coursework:

Data Structures	Foundations of Computer Science	Computer Organization
Introduction to Algorithms	Operating Systems	Principles of Software
Linear Algebra	Graph Theory	

SKILLS

Programming Languages: Java, C++, C, HTML/CSS, JavaScript, Python, Swift, MIPS/Assembly, LaTeX
Tools/Frameworks: React, Angular, Bootstrap, Node.js, Firebase, Express, Git, Linux, Bash, Twilio, Akka, JUnit

EXPERIENCE

Alert Innovation   **North Billerica, MA**
RCS Software Engineer Intern   *June 2020 – August 2020, May 2021 – August 2021*

- 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

Upsilon Pi Epsilon   **Troy, NY**
Member   *December 2020 – Present*

- International Honor Society for Computing & Information Disciplines
- Host events/workshops, lead review sessions, tutor CS students, and network with professors

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

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

Cheapskate

- Developed an IOS app that allows roommates to track expenses on a synchronized list
- Real-time updates using Cloud Firestore
- Tech Stack: Swift, Firebase

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
- Tech Stack: Python, Flask, Google Storage, Raspberry Pi 3