Arvind Venkatesan

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Education

Texas A&M University, College Station, Texas   Expected Graduation: May 2022
Honors Bachelor of Science: Computer Science   **GPA: 3.93/4.0**
Relevant Coursework: Data Structures and Algorithms, Discrete Structures for Computing, Introduction to Programming and Design Concepts in C++, Multivariable Calculus, Udemy Complete Web Developer Course, Udemy Complete IOS Development Course, Linear Algebra, Computer Organization, Programming Languages

Work Experience

Cirrus Logic – Software Engineering Intern   May 2020 – August 2020
Austin, TX

- Developed code for customer desktop application Sound Clear Studio. Product is aimed to aid in implementation and configuration of different silicon the company provides. Worked specifically on an agile based scrum team.
- Application is written in java (Gradle project with javafx framework), with testing tools that include Junit and Jacoco Code Coverage. Worked heavily with Git version control (Gerrit) and Jenkins CI/CD tool.
- Worked on internal script that used confluence REST API to track the number of hours people are logging on jira. Along with this, the script pulls data from a calendar from confluence and was implemented in python.
- Attended agile scrum meetings which utilized Atlassian Suite tools (Jira and Confluence), code reviews, and backlog/sprint planning.

Projects

ClubArchive – Product Owner and Full Stack Developer   July 2019 - Present
Texas A&M University

- Developed and led group of 2 other developers to create a third-party website that manages student and faculty lead organizations to allow users to find these organizations with more ease.
- Application was implemented with HTML5, CSS, JavaScript, NodeJS, ExpressJS, and MongoDB, with Heroku for the hosting client and continuous development, Travis CI for the continuous integration, and Jira for project management.
- https://github.com/varvind/Club-Archive, https://www.clubarchive.com/

Maroon Pages – Lead Front End Developer   September 2019
Texas A&M University – Howdy Hack (24hr hackathon)

- Developed a website as part of a 24-hour hackathon that shows current events happening at the University. Allows for users to see and create new events at any given time, while also giving ability to filter search.
- Worked on majority of front-end development, while also leading additional developers in the process.
- https://github.com/Jessepy/HowdyHackFall2019

Physics Equations Calculator – **Lead Developer**   August 2017 – December 2017

- Developed and led another developer in the deployment of a physics calculator to help our classmates do homework more effortlessly. Used Swift as the main programming language within the XCode IDE.

Robomaster Robotics - Texas A&M Branch – Computer Vision Developer   September 2018 - October 2019
Texas A&M University

- Developed code for robots as part of the computer vision sub team, where the primary goal was to develop fully autonomous code for 5 different types of robots. Primarily used OpenCV and TensorFlow.
- Competed in international competition that was hosted by DJI, where teams around the world com from all over to compete. Five robots that the team built competed in this competition in the summer of 2019 in China.
- Reached 50 downloads with audience primarily being my peers in class to assist with projects and homework

Skills

Technical: C++, Java, Swift, HTML, CSS, Microsoft Office, Javascript, SQL, NodeJS, ExpressJS, MongoDB, Python, Git (Gerrit, Github), Heroku, Jenkins, Atlassian Suite (Jira and Confluence), JavaFx, Gradle, REST API

Honors/Awards

HTML Level 1 Certification, Dean's Honor Roll (Fall 2019, Spring 2020), Varsity Tennis Team Captain

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