PRAVIN **SIVABALAN**

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US Citizen. Looking for Summer Internship. From St. Louis, MO. Willing to Relocate. Prefer working the Full Stack. Want to get more into the architecture/planning side of things.

EDUCATION

PURDUE UNIVERSITY
B. Sci Computer Science, Minor in Business Management, Certificate in Entrepreneurship | Grad: 2020

WORK EXPERIENCE

WORLD WIDE TECHNOLOGY | Software Engineering Intern   May 2017 – August 2017
- Worked on 3 projects, from start to MVP, using Node, Express, Angular2, MongoDB, SQL
- Built REST API for other micro services to authenticate user permissions using **Node/Express**
- Built frontend for user input, backend to store information in database, and a cron job to transfer data for license plate recognition system
- Worked with team of 5 to build frontend to allow receptionist to authenticate and print guest's badges that provide access to the building. Also, integrated web sockets to create live feed for receptionist.

PURDUE UNIVERSITY CS240: Programming in C & CS 190: Tools | Teaching Assistant   January 2017 – Present
- Presented lab assignment, helped students with their questions, and graded homework/projects
- Helped create materials: labs, homework, and exams

WASHINGTON UNIVERSITY | Research Assistant   May 2016 – July 2016
- Wrote a research paper on the topic of "Techno-Economic Analysis of Coal Direct Chemical Looping Combustion using Aspen Plus"
- Wrote research paper that received the LMI Aerospace Award for Excellence in Research

PROJECTS

PRESCRIPTION MERGE CONFLICT
- 2nd place in Health and Wellness Category at Hack Illinois
- Web Application that uses patient's past medication history to find out if a new medication will have any adverse effects on the patient
- Web application built using **Python Flask** backend and **JS**, **HTML**, and **CSS** for the frontend

JUKE
- Web application for a next generation Jukebox that continuously streams music and chooses the next song based on a voting system
- Built frontend using **Angular2** and backend API using **MongoDB** and **Node** with endpoints that use the Spotify API to play the music

LEADERSHIP

BOILERMAKE EXECUTIVE TEAM | Communications Team Lead
- Plan and organize Purdue's 500+ student hackathon
- Promote event and maintain communication across universities by connecting with other students
- Led recruiting to interview and choose new members for the executive team

Skills (sorted based on proficiency): JavaScript, C/C++, Java, HTML, CSS, Python, Ruby, Swift/iOS, Kotlin