**Pravin Sivabalan**

Looking for Sumer Internship. Willing to relocate. U.S. Citizen. Interested in front-end web development.

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**Education**

**Purdue University –** B.S. Computer Science, Minor in Business Management

**West Lafayette, IN** –Class of 2020

**Mary Institute Country Day School –** H.S. Degree

**St. Louis, MO** – Graduated 2016

**Experience / Projects**

**The GrapheneSource** – Contract Web Developer **St. Louis, MO** – May 2016 to August 2016

* Part of a team of two that constructed the website from the ground up using **HTML, CSS, JS, PHP, and Bootstrap** to provide an informative as allow user to fill out order forms for purchase of quantities of Graphene.

**CS 190 Teaching Assistant** **West Lafayette** – January 2015 to February 2016

* Teach and grade labs for CS 190 at Purdue University
* Teach Computer Science tools such as Bash commands, ZSH, GitHub, IntelliJ, Debugging, etc.

**World Wide Technology** – Shadowed Lead Architect **St. Louis, MO** – May 2016

* Participated in **Agile** & **Scrum** meetings while shadowing team that working in automation and frontend for customer portal.
* Learned about workflow (dev, test, prod) that software should go through.
* Learned to use **GitHub** to collaborate and manage versions.

**Washington University in St. Louis** – Research Assistant **St. Louis, MO** – May 2015 to July 2015

* Conducted **research** on the topic of "Techno-Economic Analysis of Coal Direct Chemical Looping Combustion using Aspen Plus".
* Wrote research paper and it received the LMI Aerospace Award for Excellence in Research.

**Prescription Merge Conflict** – Developer, Hackathon 2nd Place **Hack Illinois 2017** – February 2017

* Developed a web application that pull up a patient's past medication history to find if a new medication will have adverse effects
* Built backend with **Python Flask** server to pull, parse, and analyze data from three APIs
* Build frontend with JavaScript and HTML that had a login page and dashboard and pulled data from our REST API Won 2nd place at Hack Illinois in the Health and Wellness categoryBottom of Form

**Parking Lot Tracker** – Full-Stack Developer **St. Louis, MO –** Spring 2016

* Developed a program with a group of 3 that found free spots to make parking more efficient.
* Programmed Raspberry Pi to take and send pictures.
* Used a Java library that processed images and turned pixels that where edges white.
* Created algorithm in **Java** that found the number of white pixels in certain zones given coordinates.
* Built front-end website for user to find free spots.

**Connect More** – iOS Developer **West Lafayette, IN** – October 2016

* Developed an iOS game from scratch that allowed for 3 player multiplayers by changing the gravity of the board for every turn.
* Used **Swift** for the logic of the game and developed the front-end GUI for the app.Bottom of Form

**Gradlook** – Creator / Developer **St. Louis, MO** – January 2015 to February 2016

* Part of team of four that developed the Gradlook.org website using Squarespace.
* Set up data systems for Gradlook’s data set allowing students to learn more about post-grad opportunities.

**Involvement**

**Debate Team** – President

St. Louis, MO – August 2012 to May 2016

* Led as president for 3 years of large growth in members and competiveness.
* Developed research, communication, and leadership skills.

**Tamil Sangam Youth Volunteer Organization** – Treasurer and Volunteer

St. Louis, MO – August 2010 to August 2016

* Volunteered at least 30 hours a year for the betterment of local community
* Led yearly efforts in sandwich and blanket making as well as fundraising
* Helped educate younger children on their cultural background and where they come from in India

**Activities Committee** – Head of Activities Fair

St. Louis, MO – August 2013 to May 2016

* Led a group of 5 people in organizing the activities fair
* Organized the music, food, and entertainment for the fair as well as created system for clubs to sign up for the fair