

# Pravin Sivabalan

Looking for Summer 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 2<sup>nd</sup> 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 2<sup>nd</sup> place at Hack Illinois in the Health and Wellness category

**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 multiplayer 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.

**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 competitiveness.
- 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