

Pranav Rajiv

835 West Dayton St, 3130 Bunn Ogg, Madison WI 53706-1799, pranavrajiv123@gmail.com, Mob: (312) 478-1133

LinkedIn: www.linkedin.com/in/pranav-rajiv

GitHub: <https://github.com/pranavrajiv>

Website: <https://pranavrajiv.github.io/pranavWeb/>

Education:

- University of Wisconsin Madison
- University of Illinois at Chicago
BS Computer Science

Aug 2016 – Present

Aug 2014- May 2016

Course Plan:

- Introduction to Optimization, Data Structures, Machine Organization, Compilers, Data Structures, Artificial Intelligence, Introduction to Operating Systems, Mobile Application Development and Algorithms

Work Experience:

Student Help Desk Support, College of Psychiatry, University of Wisconsin Madison

Aug 2016- Present

- Web Development, Active Directory and Database maintenance.
- Resolve network issues wired and wireless.
- IT Support involving troubleshooting computer issues and solving technical problems.
- Fixing problems in the network stack.
- Have communications with users over email, telephone, and in person.

Guest Services Student, Athletics Department, University of Wisconsin Madison

Aug 2016- Present

- Assist and contribute in conducting different University games.
- Provided customer services to people who come for the events.
- Help the security to maintain a safe environment.

Research Aide 2, College of Engineering, University of Illinois at Chicago

Aug 2015-Aug 2016

- Web Development and Database maintenance for Engineering Media Services, UIC.
- Responsible for designing, developing, testing and maintaining **PHP MySQL** web applications projects.
- Develop and Test Surveys done in Qualtrics.

Summer Internship for College of Engineering, University of Illinois at Chicago

May 2015 – July 2015

- IT Support and Database management.
- Build computers for the engineering staff.
- Conducted frequent meetings with the business administration regarding a web application.

General Office Aid, Institute of Palliative Medicine, Medical College, Kerala

Jan 2014- March 2014

- Fundraising.
- General question enquiries and taking messages.
- Drafting letter, collecting, sorting and filing personal records.

Course Projects:

CS Graduation Systems using GAMS

September 2016

- The program found the optimal classes a student can take to graduate with a CS degree minimising the cost.
- The program also found optimal solution for the classes to take considering the trade-off between the complexity of the CS classes and the cost of the class using mixed integer programming method.
- Implemented network flow optimization, mixed integer programming model and Big M method using simplex algorithms.

Restaurant Waiting List System

December 2015

- The program was able to make a reservation for a group of people coming to the restaurants and let the people in based on their priorities and seat availability for the group.
- Performed adding, removing retrieving, updating and displaying the waiting list.
- Performed Debug Mode and Multiple source code Compilation.

Airport travel Network

December 2015

- The program found out if a person can travel from one airport to another based to connection flight available in each airports.

Maze Solving**November 2015**

- The game was made in Java and had a user interface which displayed the start and end position of the maze and the best way to get to the end position using Depth-first search algorithm.
- Used Java Awt Class.

Doodlebugs And Ants Game**November 2015**

- Created a game, which used population growth algorithm to create a set of ants and doodlebugs on an island. As days pass the doodlebugs and ants would multiply and the doodlebugs would also spawn on the ants.
- Performed hunt, spawn, starve, and move operation for the creatures.

Buffer Manager**January 2017**

- Created a fully functional buffer manager, which does page replacement using clock algorithm.

Work Project:**Space And Key Allocation for the College Of Engineering****December 2015**

- Implemented PHP and Database Connection, tables and tabs creation and multiple table querying.
- Created a User Database interface.
- Performed Personal Record Management using MYSQL Database.
- Performed insertion and deletion of room keys, cabinet keys and telephone jacks.
- Included building access-requesting authorisation to the Police.

Personal Project/Activities:

- Web Server using LAMP on a raspberry pi 3 **August 2016**
 - Using HTML and PHP scripts tried creating an authentication page.
 - Created a file upload GUI using PHP scripts.
 - Displayed list of all the files that's been uploaded
- Made a Chrome Extension, which would open the wiki page of a video being played. **March 2017**
 - Used HTTP requests to the Wiki Sandbox API to access the page.
- Build a quad copter from scratch as a team member of American Institute of Aeronautics and Aerospace.
- Fundraising with ACACIA fraternity to help the children with Autism.

Technical/Functional Skills:

- Programming Languages: *C, C++, C#, Java, and GAMS.*
- Databases: *MySQL.*
- Operating Systems: *Windows, Macintosh, Linux.*
- Web Technologies: *PHP, JavaScript, HTML, CSS, AJAX.*
- Software Tools: *Dreamweaver CC, WAMP, Windows Server Manager, Qualtrics, WordPress, MS Office, Photoshop, Git, Request Tracker, OpenCV, Eclipse, MATLAB.*