

Avinash Prabhakar

aprabhak@purdue.edu (765)-772-8082

500N Martin Jischke Drive West Lafayette, IN 47906

OBJECTIVE

Highly motivated student with strong critical thinking skills interested in obtaining an internship where I can contribute my knowledge and acquire experience.

EDUCATION

Purdue University, West Lafayette, IN

August 2014 - present

B.S in Computer Science, expected 2018

Programming languages: C, Java, JavaScript

Software: Microsoft Office, RStudio

WORK EXPERIENCE

Web Developer intern at Office of Indiana State Chemist(OISC)

Summer 2016

- Leveraged Google Maps API to display the location of forms as markers on a map.
- Implemented a feature where clicking on a marker opens up an overlay displaying data from server using jQuery.
- Formatted data in a presentable manner by doing DOM manipulation using JavaScript libraries.

PROJECTS

Internet Relay Chat Program

Spring 2015

- Implemented a server in C that allows people to join/exit rooms and send messages which can be viewed by other users on the same network.
- Implemented a client side GUI in C that allows for users to communicate with the server more conveniently as messages can be entered in a text box.

Shell Project

- Built a shell interpreter like csh in C
- Implemented a scanner and parser for the shell using Lex and Yacc.
- Supports Process Creation, Execution, File Redirection, Pipes and Background
- Implemented subsystems like Wildcarding and Subshell.

Spring 2016

CoursePlanner

Spring 2016

- Implemented a web app which lets the user enter the desired CS tracks. The program then outputs the shortest path of the courses needed for completion.
- Useful as many courses overlap between tracks.
- Built using HTML framework Bootstrap, CSS and JavaScript.

Memory allocator

Spring 2016

- Implemented a memory allocator in C using doubly linked lists.
- Users can request and return memory to the operating system.
- Similar functionality to malloc() and free() in UNIX.

COURSEWORK

Data Structures and Algorithms (CS 251), **Software Engineering** (CS307),
Systems Programming (CS252)

Completed

Information Systems (CS 348), **Virtual Reality Applications** (CS 390)

Current