

Sachin Reddy

1110 West Stoughton Street
Urbana, Illinois, 61801
(404) 918-0006
reddysachin2014@gmail.com

Summary

Developer in Computer Hardware and Software. Interested in drivers, operating systems, app development, and any/all software development. Currently looking for a job while completing my final semester as an undergraduate.

Education

University of Illinois Urbana-Champaign
Bachelor's Degree: Computer Engineering

Urbana, Illinois
Graduating December 2018

Gwinnett School of Math, Science, and Technology
High School Diploma

Lawrenceville, Georgia
Graduated May 2014

Employment History

Fiserv

Software Engineering Intern

Alpharetta, Georgia

May 2018 - August 2018

- Wrote a tokenizer and a parser/lexer in order to convert legacy code in PowerBuilder to updated .NET
- Implemented a syntactical tree with dynamic programming for the parser to recognize and represent syntax, while saving memory and reducing runtime
- Multithreaded processes for better runtime
- Successfully compiled in Visual Studio from PowerBuilder for 76 out of 95 test files
- Fluent in C#, SQL, Cassandra
- Able to plan and complete a long term project

United Technology Cooperation

Computer Engineering Intern

Huntington, Indiana

May 2017 - August 2017

- Wrote a drive for a relay chip on a Linux-based embedded processor for later implementation in a new thermostat
- Designed PCB board for compact integration into thermostat design
- Experience with Cadence and Eagle for designing custom PCB boards
- Able to write a lightweight driver in Objective-C using interrupts
- Fluent in C
- Experience with Linux on a BeagleBone Green
- Experience with FPGA programming
- Experience with Eagle schematic design
- Pretty good at soldering

Gwinnett Parks

Lawrenceville, Georgia

- Help update Gwinnett Park's application for tracking streams, rivers, and oceans.
- Wrote a function to help find the stream address (i.e. The shortest distance from one body of water to the nearest ocean)
- Used a depth-limited DFS with path costs being distance
- Write program in C

Corner's Properties

Software Engineer

Norcross, Georgia

May 2013 - December 2014

- Created the company's website using HTML, CSS, and JavaScript
- Built a simple database in order to store user data and allow multiple users to login, and manage pending outstanding charges
- Wrote an Android app with ADK for more accessible payment options
- Gained valuable experience with Java

Georgia Tech's I3

Project Developer

Atlanta, Georgia

October 2013 - December 2013

Worked with a team for three months to brainstorm and build a smart mirror using a micro controller, 16 inch LCD screen, and open source code.

- Experience with Arduino programming
- Experience with AutoDesk's AutoCAD, Inventor, and 3Ds MAX

Hobbies & Interests

- Interested in any software development
 - Teamwork
 - Collaborative projects
- Currently having a blast with:
 - Xcode and Swift development
 - Customizing smart home technology with BASH scripting

Professional Skills

C/ C++/ C#:	<i>Advanced</i>
Java (ADK):	<i>Advanced</i>
Assembly Language:	<i>Intermediate</i>
SystemVerilog:	<i>Intermediate</i>
HTML/ CSS:	<i>Intermediate</i>