

Rinkal Agrawal

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EDUCATION

UNIVERSITY OF MINNESOTA

B.S. IN COMPUTER SCIENCE

May 2017 Graduate

CGPA: 3.64/4.0

LINKS

Github:// [RinkalAgrawal](#)

LinkedIn:// [Rinkal63](#)

SKILLS

LANGUAGES:

Java • C# • JavaScript • Perl • C++
MySQL • Swift • Typescript • CSS3
HTML5 • JSON

FRAMEWORKS:

AngularJS • NodeJS • .Net 4.5
iOS App Development

STRONG KNOWLEDGE IN:

Eclipse • Visual Studio • AWS • Tomcat
Unit Testing • Python • XML • PHP •
React • Firebase • Clojure

KEY SKILLS

MVC • MVVM • Agile Methodology
Atlassian Software's • REST API
Google Cloud API's • Google maps API
Multi-threaded Programming • Socket
Programming • Functional Programming
Research • Linux

COURSEWORK

Advance Algorithms and Data structures
Software Design and Development
Software Engineering
Internet Programming
Artificial Intelligence
Design and Analysis of Algorithms
Database Management
Unix System Programming

AWARDS AND SCHOLARSHIPS

- Dean's List recipient for all semesters.
- Recipient of Hopper-Dean scholarship awarding \$7250 and IBP scholarship awarding \$2000.
- Recipient of ISSS scholarship awarding \$7450.
- Held executive board positions at International Buddy Program, MISA and ISKCON UMN.

EXPERIENCE

CENTURYLINK INC.

SOFTWARE ENGINEER | JUNE 2017 – PRESENT

- Built a server-side routing engine from scratch using JavaScript, JSON and Node.js.
- Built a new web UI using Angular4, Bootstrap4 and Java Spring Boot for an old system written in Perl
- Supported multiple software written in Perl and Java
- Gained in-depth knowledge of a networking industry, concepts in place, and technology used.

DESIGN READY CONTROLS INC.

SOFTWARE DEVELOPER INTERN | JUNE 2016 – JUNE 2017

- Used C#, .Net 4.5 and Visual Studio to update and create new desktop applications.
- Designed and implemented the user interface for the Android App that gives access to all the cloud-based data collected from the sensors.
- Interacted with the user representatives to gather the requirements before and during the development of the feature.

U OF M COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT

WEB APPLICATION DEVELOPER INTERN | MAY 2016 – AUG 2016

- Redesigned project website that lets anyone add subtitles to any video once provided with a video link; accessible at ant.umn.edu.
- Worked on an android app that assists Google cardboard box.

RESEARCH

U OF M SOFTWARE ENGINEERING CENTER (UMSEC)

UNDERGRADUATE RESEARCHER | AUG 2016 – PRESENT

- Worked on a NASA project under Prof. Sanjai Rayadurgam to display the application of a quad copter drone by making it autonomous and secure by installing a pix hawk hardware loaded with a NASA software.

PROJECTS

VIDEO MESSENGER | MESSAGING APP FOR A DEAF PERSON | REACT

Non-Academic Project, 3 months, team of 4, ~20000 lines of code

- Designed the app to organize an on-line class through videos recorded in sign language to help deaf students study at the University.

QUIZZLER | AN IOS APP FOR TAKING QUIZ | SWIFT

Independent project, 2 weeks, ~3000 lines of code

- Designed the ios app where people can take quiz on various topics and based on their score they will be rewarded at the end of the quiz.

LANGUAGE TRANSLATOR | CDAL TO C++ TRANSLATOR | C++

Academic Project, 4 months, team of 2, ~20000 lines of code

- Designed a compiler to translate a 'Climate data Analysis Language' code into a C++ code. Extensively utilized unit testing to verify correctness.