

# MAYANK AGARWAL

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## EDUCATION

**THE UNIVERSITY OF ALABAMA** (Tuscaloosa, AL)  
Bachelor of Science in Computer Science, May 2020  
GPA: 4.0/4.0 | President's List

## WORK EXPERIENCE

**DEVELOPER INTERN, INSURESOFIT**, Tuscaloosa (SUMMER 2018)

- Led a new project, built in Angular and Node.js, that is now used by over 50 customers
- Added several features and bug fixes to help launch a new customer portal for the main product, written in VB.NET and built using the Microsoft Stack (MS SQL, Azure Cloud)
- Built a Windows service for remotely running applications on client machines from Azure web jobs

**ASSISTANT WEB DEVELOPER, FINANCIAL AFFAIRS I.T.**, The University of Alabama (FALL 2017 - SPRING 2018)

- Fixed WordPress accessibility issues on all the university websites under Financial Affairs
- Implemented a PDF generator web app in ASP.NET using MVC framework and MS SQL, from scratch
- Worked on the reservation system and a payments portal for a WordPress website

## PROGRAMMING PROJECTS

- **Research Assistantship:** Develop a Flutter mobile app to help with detection of preeclampsia (2018)
- **GroupMe Botkit:** A React/Firebase web app to facilitate quick creation of GroupMe bots (2018)
- **Qlink Music:** Flutter mobile app that allows sharing music by converting a link from any music app into a list of links from different providers. Won *1st place* at VolHacks (2018)
- **Qlink:** A Polymer and Firebase progressive web app that enables quick file sharing between any pair of devices. Won *Most Convenient Hack* at CrimsonHacks (2018)
- **ACM:** Worked on the payments portal for the Association for Computing Machinery, and created a Slack bot to simplify administrative tasks (2018)
- **Web:** Worked on the websites for various student organizations including the Artificial Intelligence Club, The Mallet Assembly, and the Crimson Defense Cybersecurity Club (2017-2018)
- **Chat bots:** Utilized GroupMe bots API to create chat bots using the Flask framework (2017-2018)
- **GPA Resurrection:** A Flask web app that calculates the user's grade after scanning grading criteria from the course syllabus document (2017)
- **Spamzee:** Android app for reporting spam messages to TRAI. 1000+ downloads on Google Play (2016)
- **Games:** Recreated own interpretations of games such as *Missile Command*, *Hangman*, and *Breakout*, among others, in different languages (2013-15)

## TECHNICAL SKILLS

- **Python, JavaScript/TypeScript, VB, C#, C, C++, Java, Dart, HTML/CSS, SQL, Ruby**
- **Angular, React, Node.js, Flask, ASP.NET, Flutter, Polymer, MongoDB, Azure, Firebase, AWS, Heroku**

## LEADERSHIP EXPERIENCE

- **Vice President**, Association for Computing Machinery (FALL 2018 - PRESENT)
- **Residence Advisor**, The Highlands Residence Hall (FALL 2018 - PRESENT)
- **Development Team Head**, Association for Computing Machinery (FALL 2018 - PRESENT)
- **Risk Management Chair**, The Mallet Assembly Honors Residence Program (SPRING 2018)