

# Abdullah Alali

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## EDUCATION

**Auburn University**, Auburn, AL

May 2015 – Dec 2018

*Bachelor of Software Engineering*

Scholarship recipient awarded based on high school academic achievement

Relevant Coursework: Software Quality Assurance, Software Construction, Algorithms, Operating Systems (Linux), Assembly, Software Modeling & Design, Computer Networks, Computer Architecture, Senior Design Project

## SKILLS

Programming Languages: Java, Python, C++, C#, C, JavaScript, HTML, CSS, XML, PHP

Frameworks & Databases: Flask, .NET, SQL, MySQL, MongoDB, Studio 3T, React.js

Other: Agile Methodologies, TDD, Scrum, VirtualBox, PuTTY, Bash, Git, Android, REST API, Node.js, Amazon AWS (Redshift, Lambda, S3, Glue)

## EXPERIENCE

**Rheem Manufacturing**, Montgomery, AL

Aug 2018 – Dec 2018

*Database Management System for IoT Devices*

Technologies: Agile Development, Front-End/Back-End, Python, HTML, PHP, MySQL, AWS, Apache

- Coordinated with a team of five in an agile environment for Front/Back-End development to integrate the IoT platform EcoNet with AWS and Reliance (a cloud hosted system served for quality control). Personal contributions included unit testing in Python, debugging, software documentation, design review, and data manipulation.
- Configured data streaming for 10,000 customers from EcoNet to AWS and converted it to table format to facilitate the Analytics team.

## PROJECTS

**New Day**

Dec 2018 – Present

Technologies: Web Application, React.js, JavaScript, HTML, CSS, Node.js, MongoDB, Material Design, Google API, MVC

- Constructing a To Do List Web App featuring ability to make user account & authentication, send email reminders, sort and divide tasks into categories. Material Design was incorporated for Front End development.
- Project link: [github.com/aza0092/New-Day](https://github.com/aza0092/New-Day)

**Cooking Recipe App**

Jan 2018 – May 2018

Technologies: Android Application, Java, XML, Android Studio, Front-End/Back-End, OOP, Material Design

- Published a mobile app to Google Play, where development was in Java via Android Studio, and followed Object oriented programming. Material design was utilized for creative animations. All users & recipes info is editable (account, ingredients, directions, pictures).
- Project link: (Google Play Store) [goo.gl/8DKvWq](https://goo.gl/8DKvWq) (GitHub) [github.com/aza0092/Cooking-Recipe-Android-App](https://github.com/aza0092/Cooking-Recipe-Android-App)

**Secure Teller Terminal System (Class Project)**

Feb 2017 – April 2017

Technologies: Eclipse, C++, Inheritance

- Developed a bank system in C++ where it is used by: admins, staff and clients. Access restrictions were enforced for each user type.
- Project link: [github.com/aza0092/Secure-Teller-Terminal-System](https://github.com/aza0092/Secure-Teller-Terminal-System)

**Get Bit! Card Game**

Sept 2014 – Dec 2014

Technologies: Visual Basic, C#, .Net, Abstraction, Inheritance, Animation

- Collaborated in a team of two to replicate the physical "Get Bit!" card game in C# using Visual Basic and incorporated all the rules of the game. Implemented visual elements, instructions and notifications to guide and alert players about the state of each round.
- Project link: [github.com/aza0092/Get-Bit-Card-Game](https://github.com/aza0092/Get-Bit-Card-Game)

## INVOLVEMENT

**Institute of Electrical and Electronics Engineers (IEEE)**

May 2015 – Present

Participating in mentoring programs and attending local seminars.

**The Association for Computing Machinery (ACM)**

May 2015 – Dec 2018

Partnered with colleagues in special events, meetings, and periodical coding challenges.

**Humane Society of Lee County**

May 2016 – Jul 2016

Attended the volunteer orientation and cooperated with the team to assist in daily tasks and reduce workload during busy hours.