

# Jeremy Marks

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## Summary

Software engineer student with experience in the financial software industry. Looking for a data engineering or back-end role at a company that truly helps customers improve their lives. My personal interests are wakeboarding, snowboarding, guitar, volleyball, and electrical engineering projects.

## Education

### Clemson University

Sept 2019 - May 2023

#### Bachelor of Computer Science | 3.75 GPA

- **Courses:** Algorithms/Data Structures, Computer Systems Org, Software Dev Foundations, Design Analysis of Algorithms, Network Programming, Software Engineering, Programming Systems

## Skills

**Languages:** Scala, Java, Python, C, C++, C#, Lua, JavaScript, Typescript, Swift, React

**Technologies:** Docker, AWS, Azure, GCP, Terraform, Kubernetes, Kafka, GraphQL, NodeJS, CircleCI

## Professional Experience

### Credit Karma

Charlotte, NC

Software Engineering Intern – Backend Data Pipeline Team

May 2022 – August 2022

- Implemented event validation to support new version of schemas to improve velocity of team with Scala
- Used Talon Toggles to control traffic flow between old and new schemas versions
- Taught team the benefits of Talon Toggles and how to use it in their code
- Worked with Senior Engineer to develop an internal web application for event ingest/flow end to end

### Credit Karma

Charlotte, NC

Software Engineering Intern – Backend Platform Frameworks Team

May 2021 – August 2021

- Automated microservice deployment to test environments in Kubernetes with CircleCI
- Maintained linter with Scala to enforce new configuration file rules with team's code
- Automated storage bucket cleanup and adding dependency scripts to Docker containers
- Built demo and researched optimal path for data from PubSub to Splunk and BigQuery

## Projects

### Card Matching | Mini Game Robot

- Built an automated robot to earn top score in the world in a card matching mini game with python
- Implemented with image recognition with OpenCV and Tesseract

### Tiger Tickets | Web Application

- Designed and built ticket buying system for school events using SCRUM project management
- Implemented with a REST API run with ASP.Net and Azure documented with OpenAPI 3.0

### Stock Trader | Stock Analysis and Trading

- Built tools to analyze and trade stocks automatically with web scraping and TensorFlow AI models

### TigerPark | Web Application

- Designed and implemented a system to reserve parking spots on campus
- Built the UI using React Typescript and a REST API for the backend with NodeJS hosted on AWS