

# DALTON RUSSELL

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## SUMMARY

Outside of the general C.S. curriculum I have experience in RPA development using UiPath and even built a bot that placed first in UiPath's 2019 hackathon. I also have experience using some AWS services to build Machine Learning models. My main interests are in Artificial Intelligence, Data Science, and Software Development. I have maintained employment throughout college in customer service.

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## EDUCATION

The University of Texas at Dallas    Richardson, TX  
B.S. Computer Science    December 2020

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## TECHNICAL SKILLS

Java  
Python  
SQL  
UiPath (certified RPA developer)  
AWS (experience with some services)  
Unix

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## PROJECTS

### **Automated Admissions Bot** (First Prize Winner at UiPath Hackathon 2019)

Built an automated admissions bot using UiPath Studio that could scrape data, verify user input, populate an excel worksheet, and recommend an admission decision.

### **Predictive Healthcare Pricing Using Machine Learning** (on GitHub)

Used some AWS services like S3 and Sagemaker to build a linear regression model in Python that could predict healthcare claims pricing. Built an interface that would allow the user to input claim codes along with pricing. The claim is then accepted or rejected based on the price prediction from the model.

### **Object Oriented Design Project**

Used object-oriented design principles to develop a restaurant management system. Created a domain model, use case diagrams, use case descriptions, supplementary specifications, operations contracts, along with minor implementation.

### **Pulp Fiction Chatbot** (on GitHub)

Used NLP techniques to create a chatbot in Python that could carry on a limited conversation with a user about the movie Pulp Fiction. The bot would save information about each conversation including counts and term frequency of tokens to text files.