

TRAVIS BONNEAU

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Education

Master of Science, Computer Science August 2019 - Present
The University of Texas at Dallas – Richardson, TX, United States GPA: 4.0

Bachelor of Science, Computer Science August 2017 - May 2020
The University of Texas at Dallas – Richardson, TX, United States GPA: 4.0

Experience

Software Developer Intern May 2021 - August 2021
Amazon – Phoenix, AZ

- Migrated an existing internal tool to be hosted natively on **AWS**.
- The tool allows Amazon employees the ability to create custom quote requests for an item on behalf of an Amazon Business buyer, which then gets sent out to applicable sellers.
- Used a **serverless** architecture for the migrated program in order to **scale automatically** and **reduce operational costs**.

Software Developer Intern June 2020 - May 2021
Collins Aerospace – Richardson, TX

- Working on **Java** software and test code to process Link 16 messages for the Embraer KC-390 aircraft.
- Set up a **Jenkins** server to build the project code and run nightly **JUnit** tests and **Coverity** code analysis.
- Developed internal tools using **Python** to export defined requirements and paste them in the test code with its associated test to make it easier for software developers to see what requirements are being tested.

Software Developer Intern May 2019 - December 2019
State Farm – Richardson, TX

- Developed software, using **Java** and **Gosu**, to help insurance agents write insurance policies for small businesses. Increased the **security** by creating a new role for software developers to limit the amount of personal data visible while in production.
- Worked on the beginning stages of redeveloping State Farm's Auto Insurance website from using JavaServer Pages (JSP) to **Angular**, and saw a **300% increase in speed** in the proof of concept.

Skills

Java	OpenCV	AWS
Python	PyTorch	Agile work experience
C++	Git experience	Work well in groups

Personal Projects

- **Lane Detection:** Two small projects for detecting lane lines. One detects straight lane lines only, and the other detects curved lane lines.
- **Neural Network from Scratch:** Developed a NN from scratch without using any DL libraries. This was developed in order to understand NNs in detail and the math and design that goes into them.

Activities and Honors

- **Dean's List:** Top 10%, 4.0 GPA, in the Erik Jonsson School of Engineering and Computer Science.
- **Academic Excellence Scholarship:** Full ride scholarship based on academic merit.

Coursework

Advanced Algorithm Analysis	Computer Vision	Computer Architecture
Convolutional Neural Networks	Machine Learning	Linear Algebra
C/C++ Programming in UNIX	Data Structures	Probability and Statistics
Operating Systems	Database Design	Computational Geometry