


# DANIEL LE

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## Education

**University of Texas - Dallas**

**Sep. 2019 – Dec. 2021**

*Bachelor of Science in Computer Science, GPA: 3.67*

*Richardson, Texas*

## Relevant Coursework

- Data Structures
- Advanced algorithm
- Database Systems
- Machine Learning
- Operating Systems
- Computer Architecture

## Technical Skills

**Languages:** Java, Swift, Python, C++, HTML/CSS, JavaScript, SQL

**Developer Tools:** VS Code, Eclipse, JetBrains, Xcode

**Frameworks/Technologies:** Flask, Django, SwiftUI, Linux, Git

## Projects

**Secret Santa Web-app** | *Python, Flask, JavaScript, HTML/CSS, PostgreSQL*

**December 2020**

- Implemented Flask framework to create a website where you can trade and exchange gifts during holidays
- Utilize SQL to process, query data input for forms and the shuffle
- Implemented functionalities for login, register, reset password, send email for users

**CPU Simulator** | *Java*

**March 2021**

- Created a CPU simulator for a simple architecture that can fetch and execute instructions from memory
- Implemented basic command instructions for CPU to process from an input data
- Utilized pipeline programming function to pass data between memory and CPU.

**URL Shortener** | *Python, HTML/CSS, PostgreSQL*

**October 2020**

- Designed a database driven website to reroute and shorten addresses.
- Used SQL to store and manipulate data

**URL Shortener** | *Pygame, TensorFlow*

**October 2020**

- Created a GUI using Pygame to create an interactive interface.
- Successfully implemented Neural Network using Tensorflow to recognize drawing pixel and predict number outcome based on error optimization and linear progression/gradient descent

## Experience

**Tarrant County College- IT Lab**

**Jan. 2016 – Oct. 2017**

*Student Assistant*

*Arlington, Texas*

- Assisting students with homework and help with assignments
- Troubleshooting technical issues with computers and printers.

## Leadership / Extracurricular

**Phi Theta Kappa**

**Aug. 2019 – Present**

*Current Member*

*UT-Dallas*